

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

ORIGINAL

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 TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: N/A

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: RELEASED

Well Name: _____

Comp. Date OCT 15 1988

Deepening Re-perf. Conv. to Inj/SWD

Plug Back FROM CONFIDENTIAL

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

8-19-96 8-28-96 9-20-96

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21562-00-00

County SEWARD

SE - SE Sec. 19 Twp. 34S Rge. 32 X E W

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

660 Feet from (E)X (circle one) Line of Section

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

Lease Name CADY "A" Well # 2

Field Name CONDIT

Producing Formation MORROW/CHESTER

Elevation: Ground 2789.3 KB _____

Total Depth 6700 PBDT 6320

Amount of Surface Pipe Set and Cemented at 1604 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, 10-5-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name KCC

Lease Name DEC 2 License No. _____

Quarter CONFIDENTIAL Sec. CONFIDENTIAL Twp. CONFIDENTIAL S. Rng. CONFIDENTIAL E/W

County _____ Docket No. 12-6-1996

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 David W. Kapple

DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 12/2/96

Subscribed and sworn to before me this 2nd day of December 19 96.

Notary Public L. Marc Harvey

L. MARC HARVEY
Notary Public - State of Kansas
My Appt. Expires 6-12-99

Date Commission Expires _____

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		
<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)		

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name CADY "A" Well # 2

Sec. 19 Twp. 34 Rge. 32 East County SEWARD
 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum CHASE 2632 COUNCIL GROVE 2963 TORONTO 4370 LANSING 4511 MARMATON 5202 CHEROKEE 5444 MORROW 5800 CHESTER 6026 STE. GENEVIEVE 6413 ST. LOUIS 6496
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run: SBT-CCL-GR, DIL, ML, CNL-LDT.		

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	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4	8-5/8	23.0	1604	MIDCON/ PREM PLUS	340/300	3%CC, 1/4#SK FLC/ 3%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	6506	PREMIUM	325	.6% HALAD 322, 5% KCL, .9% VERSASET.

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	6368-84, 6346-50, CIBP @ 6320'		1500 GAL 7-1/2% FeHCL
1	5986-6023		1850 GAL 7-1/2% FeHCL	5986-6023
2	6138-48, 6100-13, 6074-92, 6050-60		2600 GAL 7-1/2% FeHCL	6050-6148 (OA)
			FRAC: 46400 GAL FOAMED BORATE GEL & 154,000# 20/40 SD.	5986-6148 (OA)
TUBING RECORD	Size 2-3/8	Set At 5950	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9-23-96		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 1300	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

Production Interval: 5593'-5602'

Other (Specify) _____

CONFIDENTIAL

ORIGINAL

ANADARKO PETROLEUM CORPORATION
CADY A-2
SECTION 19-T34S-R32W
SEWARD COUNTY, KANSAS

15-175-21562

COMMENCED: 08-19-96
COMPLETED: 08-30-96

RELEASED
OCT 15 1998

SURFACE CASING: 1604' OF 8 5/8" CMTD
W/340 SKS PREMIUM PLUS MIDCON + 3% CC
+ 1/4#/SK FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.
1" W/200 SKS PREMIUM PLUS + 3 %

FROM CONFIDENTIAL

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 1605
RED BED	1605 - 2360
LIMESTONE & SHALE	2360 - 6700 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

Wray Valentine

WRAY VALENTINE

ALL
DEC 2
CONFIDENTIAL

STATE OF KANSAS : ss:

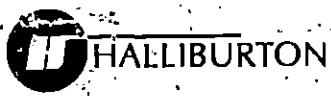
SUBSCRIBED AND SWORN TO BEFORE ME THIS 5TH DAY OF SEPTEMBER, 1996.

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC



KANSAS RECORDS
1996 SEP 5 P 12:10



JOB SUMMARY

HALLIBURTON DIVISION Mid Continent Area
HALLIBURTON LOCATION Liberal KS.

BILLED ON TICKET NO. 106584 **KCC**

CUSTOMER: Produced
LEASE: CADY 19
WELL NO.: 2
JOB TYPE: 5-1/2" - 10'
DATE: 8-20-96

WELL DATA

FIELD Condit SEC. 19 TWP. 34 RNG. 32 COUNTY Seward STATE KS.

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____
INITIAL PROD: OIL _____ BPD. WATER _____
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MSC. DATA _____ TOTAL DEPTH _____

CONFIDENTIAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N.</u>	<u>23</u>	<u>8 7/8</u>	<u>KB</u>	<u>1618</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>EMSett 8 7/8</u>	<u>1</u>	<u>H.</u>
FLOAT SHOE <u>Fill Assy</u>	<u>1</u>	
GUIDE SHOE <u>Ref</u>	<u>1</u>	<u>0</u>
CENTRALIZERS <u>S4</u>	<u>5</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>5W</u>	<u>1</u>	
HEAD <u>P.C.</u>	<u>1</u>	<u>0</u>
PACKER		
OTHER <u>BASKET</u>	<u>1</u>	<u>0</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-20</u>	DATE <u>8-20</u>	DATE <u>8-20-96</u>	DATE <u>8-20-96</u>
TIME <u>1330</u>	TIME <u>1450</u>	TIME <u>1905</u>	TIME <u>2345</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL _____

GELLING AGENT TYPE _____ GAL-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB. _____ IN

BREAKER TYPE _____

BLOCKING AGENT TYPE _____ GAL-LB. _____

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RELEASED

OCT 15 1998

FROM CONFIDENTIAL

DEPARTMENT CMT

DESCRIPTION OF JOB CMT 8 7/8 S.F.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X J R S L 25

HALLIBURTON OPERATOR Alice Davis

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>340</u>	<u>PT-Mid com</u>		<u>B</u>	<u>370 CC 14.5% F10</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>PT</u>		<u>B</u>	<u>270 CC 14.5% F10</u>	<u>1.32</u>	<u>14.8</u>
<u>2</u>	<u>200</u>	<u>Prem</u>		<u>B</u>	<u>370 CC</u>	<u>1.06</u>	<u>16.4</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: SBL-GAL _____ PAD: BBL-GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL. BBL-GAL 100.8

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 195-6.6 23.5 T.C.

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ CEMENT LEFT IN PIPE _____
OVERALL _____

FEET 42 REASON Shop Joints

FIELD OFFICE



JOB LOG HAL-2013-C

DATE 8-20-96 PAGE NO. 1

CUSTOMER Anadarko WELL NO. 2 LEASE GADY "A" JOB TYPE 8 7/8 S.P. TICKET NO. 106584

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL/GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for drilling operations, pump rates, and job completion.

CONFIDENTIAL

RELEASED OCT 15 1998

ORIGINAL

FROM CONFIDENTIAL



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

PAID CONTRACT
LIBERAL, KS

BILLED ON TICKET NO. 920255

WELL DATA

FIELD _____ SEC. 19 TWP. 34S RING. 32W COUNTY SEWARD STATE KS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 6700

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>1</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>6501</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<u>H</u>
FLOAT SHOE <u>INSPT</u> <u>5 1/2</u>	<u>1</u>	
GUIDE SHOE <u>RIG</u> <u>5 1/2</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>5 1/2</u>	<u>14</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>5 1/2</u>	<u>1</u>	
HEAD <u>P/C</u> <u>5 1/2</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>O</u>

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>8-29-96</u>	<u>8-30-96</u>	<u>8-30-96</u>	<u>8-30-96</u>
TIME <u>2300</u>	TIME <u>0130</u>	TIME <u>0900</u>	TIME <u>0915</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodrow</u>		
<u>S. Tate</u>		
<u>D. Cooper</u>		

CONFIDENTIAL

DEC 2

CONFIDENTIAL

DEPARTMENT CEMENT
 DESCRIPTION OF JOB Cement 5 1/2 Production CASING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X [Signature]
 HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>33</u>	<u>GRANULUM</u>	<u>SULLY</u>	<u>B</u>	<u>.71 WESSAFC, 1/4 INCH-322, 5HRCL</u>	<u>1.42</u>	<u>14.5</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON 2000 psi

SUMMARY

PRESLUSH: BBL.-GAL. 12 TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISP: BBL.-GAL. 153.5
 CEMENT SLURRY: BBL.-GAL. 72
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Advantage LEASE: 12/1/96 WELL NO.: 11111 JOB TYPE: Production DATE: 12/1/96



JOB LOG HAL-2013-C

CUSTOMER APC	WELL NO. 2	LEASE Cady A	JOB TYPE CEMENT 5 1/2 L.S.	TICKET NO. 920565
-----------------	---------------	-----------------	-------------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							JOB READY
	2300	8-29-76	CONFIDENTIAL					called out for job
	0130							pump truck + bulk cement on location
	0130							Rig Laying down drill pipe
	0145		ORIGINAL					Set up pump truck
	0300							D.P. Layed down - pull R-H + M-H
	0345							START RUNNING 5 1/2 CSG + FLT EQUIP
	0645							CASING ON BOTTOM (6501)
	0700							Hook up 5 1/2 p/c + circulating Iron
	0705							START CIRCULATING WITH RIG PUMP
	0755							HOLD SAFETY MEETING
								THROUGH CIRCULATING Hook up to pump truck
								JOB PROCEDURE
	0800	4.0	8.0		✓	0/250		pump & bail FRESH WATER
	0802	4.0	12.0		✓	250		pump 12 BALS STAMP FLUSH DEC 2
	0805	4.0	8.0		✓	250		pump & bail FRESH WATER
	0806							SHUT DOWN
	0810		6.0		✓	0		PLUG R-H + M-H WITH 25 SCS
	0815	6.0			✓	0/450		START MIXING CEMENT DOWN 5 1/2 CSG
	0828					750/0		THROUGH MIXING CEMENT - SHUT DOWN
								WASH OUT PUMP & LINES - RELEASE PLUG
	0830	6.0			✓	0/100		START DISPLACING
						100/750		MAX LIFT PRESSURE BEFORE LANDING PLUG
	0900		153.5		✓	750/1200		PLUG DOWN - RELEASE FLOAT
								FLOAT HELD
								HAD GOOD MUD PRODUCTION THROUGHOUT JO
								THANK YOU!
								GALAGA-U
								WOODY + SONNY
								RELEASED
								OCT 15 1998
								FROM CONFIDENTIAL