

CONFIDENTIAL

SIDE ONE

ORIGINAL

FORM MUST BE TYPED

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: NOV 1

Well Name: CONSERVATION DIVISION

Comp. Date NOV 15 Old Total Depth Wichita, Kansas

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. NOV 15
 Dual Completion Docket No. CONFIDENTIAL
 Other (SWD or Inj?) Docket No. CONFIDENTIAL

7-22-96 7-30-96 8-20-96
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21558-0000

County SEWARD

SW - SW Sec. 36 Twp. 33 Rge. 32 X W

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

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

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

Lease Name DAVIES "E" Well # 1

Field Name ARKALON

Producing Formation MORROW

Elevation: Ground 2608 KB

Total Depth 6300 PBSD 6046

Amount of Surface Pipe Set and Cemented at 1518 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 ALT 1 JK 8-24-98
(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: NOV 15

Operator Name CONFIDENTIAL

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 M. Cl. Dope for
DAVID W. KAPPLE
Title DIVISION DRILLING ENGINEER Date 11/15/96

Subscribed and sworn to before me this 15th day of November 1996.

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 Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name DAVIES "E" Well # 1

Sec. 36 Twp. 33 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 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: DIL, ML, CNL-LDT, SONIC, CBL-GR.

Name	Top	Datum
COUNCIL GROVE	2896	
TORONTO	4220	
LANSING	4353	
MARMATON	5035	
CHEROKEE	5202	
MORROW	5568	
STE. GENEVIEVE	6063	
ST. LOUIS	6202	

CASING RECORD							
Report all strings set-conductor, <input checked="" type="checkbox"/> New <input type="checkbox"/> Used, 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	1518	P+ MIDCON 2/ P+	320/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	6097	VERSASET	200	2%KCL, .6% HALAD 322, 1/4 #SK FLC.

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	5790-94, 5770-74, 5745-54, 5736-40, 5705-16	ACID: 1600 GAL 7-1/2% FEHCL	5705-5794 OA
		FRAC: 34700 GAL 60-75 QUAL. N2 FOAMED	5705-5794 OA
		BORATE & 86400# 20/40 SD.	
TUBING RECORD	Size Set At Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	2-3/8 5751		
Date of First, Resumed Production, SWD or Inj. 8-29-96		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	Water Bbls. Gas-Oil Ratio Gravity
	0	242	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: 5705-5794 OA

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KCC

ORIGINAL

ANADARKO PETROLEUM CORPORATION
DAVIES E-1
SECTION 36-T33S-R32W
SEWARD COUNTY, KANSAS

15-175-21558

COMMENCED: 07-22-96
COMPLETED: 08-01-96

SURFACE CASING: 1518' OF 8 5/8" CMTD
W/310 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 + 2 %

FORMATION

DEPTH

SURFACE HOLE

0 - 1520

RED BED & GYPSUM

1520 - 2015

RELEASED

LIMESTONE & SHALE

2015 - 6300 RTD

OCT 1 1996

FROM CONFIDENTIAL

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

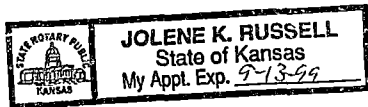
KCC
NOV 15
CONFIDENTIAL

STATE OF KANSAS : ss:

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

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC



RECEIVED
STATE COOPERATION COMMISSION

NOV 16 1996

CONSERVATION DIVISION
Wichita, Kansas

FIELD Arkayan SEC 36 TWP 33 RNG 32 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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	W	23	8 5/8	1514		
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Inset 8 5/8</u>	<u>1</u>	<u>H</u>
GUIDE SHOE <u>Fill</u>	<u>1</u>	<u>0</u>
CENTRALIZERS <u>SH</u>	<u>5</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>5W</u>	<u>1</u>	
HEAD <u>PC</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>7-23</u>	DATE <u>7-23</u>	DATE <u>7-23-96</u>	DATE <u>7-24-96</u>
TIME <u>830</u>	TIME <u>1030</u>	TIME <u>1844</u>	TIME

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. _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

DEPARTMENT CMT

DESCRIPTION OF JOB CMT 8 5/8 5 1/2

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

CUSTOMER REPRESENTATIVE Jim Bulsee

HALLIBURTON OPERATOR John Payer

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>310</u>	<u>PT MC</u>		<u>B</u>	<u>3% CL 4# F10</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>PT</u>		<u>B</u>	<u>2% CL 4# F10</u>	<u>1.32</u>	<u>14.8</u>

SUMMARY

PRESSURES IN PSI _____
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 42 REASON Shoe joint

VOLUMES
 PRESLUSH: BBL.-GAL. _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 94.2
 CEMENT SLURRY BBL.-GAL. 178.66 73.576
 TOTAL VOLUME: BBL.-GAL. 95.3

REMARKS Order Cmt. to 1"



JOB LOG: HAL-2013-C

CUSTOMER **Amundarke**

WELL NO. **E-1**

LEASE **DAVIES**

JOB TYPE **010**

TICKET NO. **920508**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							Called out - Requested "now"
	1030							ON Loc. - Drilling
	1115							Safety Meeting
	1640							Run csq @ 8 1/2" ²³
	1823							On Bottom ORIGINAL
	1829							Hook-up to circ.
	1841							Hooked-up to cont.
	1844	0-7	177		✓	0/200		Pump lead cement @ 310 sks
	1909	7	23		✓	150		Pump tail cont. @ 100 sks
	1912	7-0				150/0		Shut down - Drop plug
	1913	0-4	95		✓	0/250		Pump Displ - wash-up tank
	1928	6-2			✓	250/200		Reduce RATE - 85 bbls in
	1933	2-0			✓	250/100		Plug Down
	1934	-			✓	800/0		Release Press - Float held
								Good circ. of mud
	1945							Order cement @ 200 sks
	2330							Cement on Loc. - storm blowing thru
	0040							Run 1" tbg - 4 Jts @ 80 ft
	0123		1949		✓	0/350		Pump Cement
	0155				✓	350/0		Shut down
								Cement to SURFACE

NOV 15

CONFIDENTIAL

RELEASED

OCT 1 1998

FROM CONFIDENTIAL

STATE CORPORATION COMMISSION

NOV 15 1996

CONSERVATION DIVISION
Wichita, Kansas

WELL DATA

FIELD W.E. Hayes SEC 31a TWP 33S RNG 32w COUNTY Sevier 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. 9.1
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>155</u>	<u>5 1/2</u>	<u>215</u>	<u>697</u>	<u>2000</u>
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>215</u>	<u>697</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-1-96</u>	DATE <u>8-1-96</u>	DATE <u>8-1-96</u>	DATE <u>8-1-96</u>
TIME <u>1:30</u>	TIME <u>6:30</u>	TIME <u>11:30</u>	TIME <u>1:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT 5 1/2</u>	<u>1</u>	<u>Hercules</u>
FLOAT SHOE		
GUIDE SHOE <u>2 3/4 5 1/2</u>	<u>1</u>	
CENTRALIZERS <u>2 3/4 5 1/2 4 1/2</u>	<u>14</u>	
BOTTOM PLUG		
TOP PLUG <u>5 1/2 5 1/2</u>	<u>1</u>	
HEAD <u>FF 5 1/2</u>	<u>1</u>	
PACKER <u>Full Army</u>	<u>1</u>	
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Kysor 89349</u>	<u>4028</u>	<u>Enid</u>
<u>M. Ridgeway 6444</u>	<u>BT</u>	
<u>H. Buchanan 6188</u>	<u>BT</u>	
	<u>4150-4453</u>	
STATE REGISTRATION COMMISSION		
	<u>NOV 15</u>	
CONSERVATION DIVISION Wichita, Kansas		
	<u>COM</u>	

MATERIALS

TREAT. FLUID CNT DENSITY 14.5 LB/GAL. API
DISPL. FLUID H2O DENSITY 8.33 LB/GAL. API
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ GAL. _____
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 10 1336 Super Flush
OTHER _____

DEPARTMENT

DEPARTMENT CNT
DESCRIPTION OF JOB 5 1/2 long string

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

CUSTOMER REPRESENTATIVE X Jim Salas

HALLIBURTON OPERATOR Chifton Kysor COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>200</u>	<u>Portland Cement</u>	<u>Hercules</u>	<u>B</u>	<u>93.4 MARISET 2% KEL 1% E-20 1%</u>	<u>1.44</u>	<u>14.5</u>
<u>1</u>	<u>25</u>	<u>Port</u>	<u>Hercules</u>	<u>B</u>	<u>water</u>	<u>1.19</u>	<u>15.8</u>

PRESSURES IN PSI

CIRCULATING 300 DISPLACEMENT 600
BREAKDOWN _____ MAXIMUM 200
AVERAGE 400 FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
HYDRAULIC HORSEPOWER _____
ORDERED 200 AVAILABLE 500 USED _____
AVERAGE RATES IN BPM _____
TREATING 600 DISPL 10 OVERALL 2.0
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 10 TYPE Super Flush
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. 50 DISPL: BBL.-GAL. 144
CEMENT SLURRY: BBL.-GAL. 50
TOTAL VOLUME: BBL.-GAL. 220

REMARKS

Thank you for using Halliburton

JOB LOG HAL-2013-C

CUSTOMER: Avadon Co. P.O. Corp #1 WELL NO.: LEASE: DAVIES "E" JOB TYPE: 5 1/2" Long string TICKET NO.: 123439

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
0530								on lue safety meeting
1135							3000	test Lines
0800								Run Float & Pump H ₂ O 8 BBL ORIGINAL
1140	3.0	0.0		1			300	Break circ. 10 BBL surf flush
1148	3.0	8.0		1			300	Pump H ₂ O 8 BBL
1152	3.0	18.0		1			300	Pump H ₂ O 8 BBL
1156	7.0	26.0		1			600	Pump 50 BBL cont 14.5#
1157								
1210	5.0	75.0		2			0	Drop Plug & wash PHL
1213	10.0	750.0		2			500	Drop 144.02 BBL
1227	9.0	195		2			600	catch cont 120 p, BBL
1231	7.0	200		2			700	cont drop BBL
1232	3.0	209.0		1			800	Slow Rate to land Plug,
1235	3.0	219		1			2000	Plug Down
1240	0.0	219		0			0	Release Float Holding
				RELEASED				
				OCT 1 1998		CONFIDENTIAL		
				FROM CONFIDENTIAL				
						Thank you		
						NOV		
				RECORDED		Clifton Kyser NOV 15		
				STATE OF KANSAS COMMISSIONER		Mike Ridgway		
				NOV 11 1998		Henry Branham CONFIDENTIAL		
				CONSERVATION DIVISION				
				Topeka Kansas				