

CONFIDENTIAL

ORIGINAL

FORM MUST BE TYPED

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: NONE

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 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. _____

11-10-96 11-18-96 P&A 11-19-96
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21578-0000

County SEWARD

 - - NW - NE Sec. 31 Twp. 33 Rge. 34 E

660 Feet from NX (circle one) Line of Section

1980 Feet from EX (circle one) Line of Section

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

Lease Name VAN AUKEN 'A' Well # 1

Field Name SHUCK

Producing Formation NONE

Elevation: Ground 2749 KB _____

Total Depth 6600 PBSD 0

Amount of Surface Pipe Set and Cemented at 1686 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 P&A 10-6-98 USC
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name **RELEASED**

Lease Name OCT 15 1996 License No. _____

 Quarter Sec. Twp. S Rng. E/W

County **FROM CONFIDENTIAL** 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 David W. Kapple
Title DIVISION DRILLING ENGINEER Date 1/9/97

Subscribed and sworn to before me this 9th day of January 19 97.

Notary Public L. Marc Harvey
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 VAN AUKEN "A" Well # 1

Sec. 31 Twp. 33 Rge. 34 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
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2637
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2984
List All E.Logs Run: DIL, ML, CNL-LDT, SONIC.		HEEBNER	4246
		LANSING	4383
		MARMATON	5106
		MORROW	5738
		CHESTER	6048
		STE. GENEVIEVE	6303
		ST. LOUIS	6426

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	1695	P+ MIDCON 2/ P+	320/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth		#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
**				

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 Open Hole Perf. Dually Comp. Commingled _____
 (If vented, submit ACO-18.) Other (Specify) _____

** NONE-D&A



JOB SUMMARY

HALLIBURTON DIVISION Med Cont
 HALLIBURTON LOCATION Central KS

BILLED ON TICKET NO. 107066 KC2

WELL DATA

FIELD _____ SEC 31 TWP. 33 S RNG. 34 W 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. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

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	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING	<u>11</u>	<u>14.2</u>	<u>4 1/2</u>	<u>11.7</u>	<u>3000</u>	
OPEN HOLE			<u>7 7/8</u>	<u>6.2</u>	<u>6.601</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-19-96</u>	DATE <u>11-19-96</u>	DATE <u>11-19-96</u>	DATE <u>11-19-96</u>
TIME <u>10:30</u>	TIME <u>14:30</u>	TIME <u>13:40</u>	TIME <u>19:00</u>

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. _____ 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. _____
 PERFFAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>P. Shuman</u>		
<u>D. Albrecht</u>		
<u>D. Carpenter</u>		

DEPARTMENT Sevier Cont
 DESCRIPTION OF JOB PTD

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

CUSTOMER REPRESENTATIVE X John Sullivan
 HALLIBURTON OPERATOR Robert Thomas COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>325</u>	<u>Welford PDC/Pre</u>		<u>6</u>	<u>10% lost</u>	<u>1.53</u>	<u>13.2</u>

PRESSURES IN PSI

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

SUMMARY

VOLUMES

PRELUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 CEMENT SLURRY: BBL.-GAL. _____
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See Job 109

CUSTOMER

CUSTOMER _____
 LEASE _____
 WELL NO. _____
 JOB TYPE _____
 DATE _____



HALLIBURTON ORIGINAL

ORIGINAL

DATE 11-19-96 PAGE NO. 1

JOB LOG HAL-2013-C

CUSTOMER: ANADARNO WELL NO.: A-1 LEASE: VAN AUKEN JOB TYPE: P.T.A. TICKET NO.: 107060

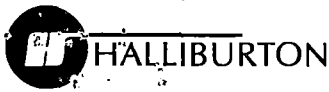
Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for operations like 'START H2O AHEAD', 'START CMT @ 13.2 #/GAL', and 'LAY DOWN DRILL PIPE'.

RELEASED

OCT 15 1998

FROM CONFIDENTIAL

THANK YOU FOR CALLING HALLIBURTON ROBERT & DANNY



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid. Cen
Liberal, Ks

BILLED ON TICKET NO. 107276

WELL DATA
FIELD _____ SEC. 31 TWP. 33^S RNG. 34^W 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 _____

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	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 5/8	K13	1701	
LINER						
TUBING						
OPEN HOLE			12 1/4	6 1/2	1168	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLBAR <u>Twister Float</u>	1	<u>Houco</u>
FLOAT SHOE <u>1 1/2" Reg</u>	1	
GUIDE SHOE	1	
CENTRALIZERS	4	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER <u>Basket</u>	1	
OTHER	1	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-10</u>	DATE <u>11-10</u>	DATE <u>11-10</u>	DATE <u>11-10</u>
TIME <u>0130</u>	TIME <u>0245</u>	TIME <u>0650</u>	TIME <u>0815</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Love</u>	<u>420041</u>	<u>Liberal, Ks</u>
<u>T. Milligan</u>	<u>52938 / 75051</u>	<u>Duncan, OK</u>
<u>C. Askey</u>	<u>51984 / 77031</u>	<u>Higdon, Ks</u>
<u>J. Forthofer</u>	<u>50886</u>	<u>Duncan, OK</u>

MATERIALS
TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
PROP. TYPE _____ SIZE _____
PROP. TYPE _____ SIZE _____
ACID TYPE _____ GAL. _____
ACID TYPE _____ GAL. _____
ACID TYPE _____ GAL. _____
SURFACTANT TYPE _____ GAL. _____
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 _____

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OCT 15 1996

FROM CONFIDENTIAL

DEPARTMENT Cement
DESCRIPTION OF JOB 8 5/8 Surface
JOB DONE THRU: TUBING CASING ANNULUS TRG./ANN.
CUSTOMER REPRESENTATIVE X Job Shop
HALLIBURTON OPERATOR R. Dennis COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	325	Mid. Cen	PP		3% CC 1/4 # Floccle	3.22	11.1
	100	Perm. Plea			2% CC 1/4 # Floccle	1.32	14.2

PRESSURES IN PSI _____ SUMMARY _____ VOLUMES _____
CIRCULATING _____ DISPLACEMENT _____ PRESUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 105.48
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 209.88
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 411 REASON Shoo down

REMARKS

CUSTOMER Wardwell's Petro-Comp LEASE Van Allen WELL NO. 11 JOB TYPE 8 5/8 Surface DATE 11-10-96



CUSTOMER Anschutz Petro WELL NO. A 1 LEASE Van Arken JOB TYPE 8 3/8 SURFACE TICKET NO. 107276

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 operations like 'Time Collected', 'Start Pumping Casing', 'Hook up to Circulate Casing', and 'Start Mixing Cement'.

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Thanks For Calling Halliburton Dennis Green

Float Head Check Cement 25 BBL / HR