

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:

RELEASED

Operator: APR 6 1998

Well Name: _____

Comp. Date FROM CONFIDENTIAL

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

10-29-96 11-6-96 12-4-96

Spud Date Date Reached TD Completion Date

API NO. 15- 119-20969-0000

County MEADE

SE - NE Sec. 25 Twp. 32 Rge. 30 X W

1980 Feet from NX (circle one) Line of Section

660 Feet from EX (circle one) Line of Section

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

Lease Name PACE "A" Well # 1

Field Name ANGELL

Producing Formation NONE

Elevation: Ground 2719.7 KB _____

Total Depth 6150 PBDT 0

Amount of Surface Pipe Set and Cemented at 1640 Feet

Multiple Stage Cementing Collar Used? Yes X No _____

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DBA 97 11-6-97
(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:

STATE CORPORATION COMMISSION

Operator Name 2-11-97

Lease Name FEB 11 1997 License No. _____

Quarter Sec. CONSERVATION DIVISION Rng. _____ E/W

County Wichita, Kansas 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.

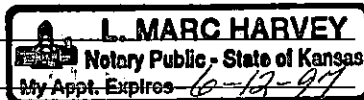
Signature David W. Kapple
DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 2/2/97

Subscribed and sworn to before me this 7th day of February 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)

JAMES

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name PACE "A" Well # 1

Sec. 25 Twp. 32 Rge. 30 [] East [x] West County MEADE

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 [x] No (Attach Additional Sheets.)
Samples Sent to Geological Survey [x] Yes [] No
Cores Taken [] Yes [x] No
Electric Log Run [x] Yes [] No (Submit Copy.)
List All E.Logs Run: DIL, ML, CNL-LDT, CBL-GR.
Log Formation (Top), Depth and Datums [] Sample
Name Top Datum
CHASE 2691
COUNCIL GROVE 3004
LANSING 4503
KANSAS CITY 4954
MARMATON 5144
MORROW 5602
CHESTER 5635
STE. GENEVIEVE 5892
ST. LOUIS 5984

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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.
Rows: SURFACE, PRODUCTION

ADDITIONAL CEMENTING/SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.
Rows: Perforate, Protect Casing, Plug Back TD, Plug Off Zone

PERFORATION RECORD - Bridge Plugs Set/Type
Acid, Fracture, Shot, Cement Squeeze Record
Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Amount and Kind of Material Used, Depth.
Rows: 4, 5588-5594, 5588-5594'

TUBING RECORD
Date of First, Resumed Production, SWD or Inj.
Producing Method
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
** P&A 1-30-97 [] Other (Specify)

Kec

ANADARKO PETROLEUM CORPORATION
PACE A-1
SECTION 25-T32S-R30W
MEADE COUNTY, KANSAS

CONFIDENTIAL

ORIGINAL

15-119-20969

COMMENCED: 10-29-96
COMPLETED: 11-08-96

SURFACE CASING: 1640' OF 8 5/8" CMTD
W330 SKS PREMIUM PLUS MIDCON + 3% CC
+ 1/4#/SK FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.

FORMATION

DEPTH

SURFACE HOLE	0 - 1640
RED BED	1640 - 2085
RED BED & SHALE	2085 - 2590
SHALE & ANHYDRITE	2590 - 2850
LIMESTONE & SHALE	2850 - 5420
LIMESTONE, SHALE & CHEROKEE	5420 - 5586
LIMESTONE & SHALE	5586 - 5925
ST. LOUIS	5925 - 6045
LIMESTONE & SHALE	6045 - 6150 RTD

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

RELEASED

APR 6 1998

FROM CONFIDENTIAL

CHEYENNE DRILLING, INC.

Wray Valentine

WRAY VALENTINE

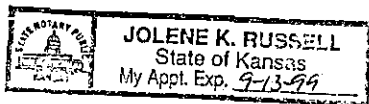
STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12TH DAY OF NOVEMBER, 1996.

RECEIVED
STATE CORPORATION COMMISSION

FEB 11 1997

CONSERVATION DIVISION
Wichita, Kansas



JOLENE K. RUSSELL
Jolene K. Russell
NOTARY PUBLIC



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Continent
LIBERAL, KS

BILLED ON TICKET NO. 126064

Kcc

FIELD Angell SEC. 25 TWP. 32S RING. 30W COUNTY MEADE 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 PBTD TOTAL DEPTH 1598

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23 24	8 5/8	KB	1644	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10 30 96</u> TIME <u>0300</u>	DATE <u>10 30 96</u> TIME <u>0540</u>	DATE <u>10.30-96</u> TIME <u>1102</u>	DATE <u>10.30.96</u> TIME <u>1153</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>ASERT/FU</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE		
GUIDE SHOE <u>REQ</u>	<u>1</u>	
CENTRALIZERS <u>1 1/4</u>	<u>5</u>	
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD <u>PC</u>	<u>1</u>	
WELL <u>BRACKET</u>	<u>1</u>	
OTHER <u>WELD A</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
CONFIDENTIAL		
RELEASED		
APR 6 1998		
FROM CONFIDENTIAL		

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. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Cement (5001)
 DESCRIPTION OF JOB Set SURFACE Pipe
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE Jim Below
 HALLIBURTON OPERATOR Tom Payer COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>310</u>	<u>P+ MidCon 223</u>		<u>B</u>	<u>3%CC, 1/4%k Floccs</u>	<u>3.22</u>	<u>11.1</u>
	<u>100</u>	<u>P+</u>		<u>B</u>	<u>2%CC, 1/4%k Floccs</u>	<u>1.32</u>	<u>148</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 45.19 REASON Shoe Joint

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL 102.3
 CEMENT SLURRY BBL. GAL. 178 + 23
 TOTAL VOLUME: BBL.-GAL. _____

CONSERVATION DIVISION
Wichita, Kansas

REMARKS

Cut. to Surface

CUSTOMER APC
LEASE Price A
WELL NO. #1
JOB TYPE OIO
DATE 10 30 96

CUSTOMER APC	WELL NO. #1	LEASE PAGE A	JOB TYPE Olok (SP)	TICKET NO. 106064
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBB) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							Called out - Requested at 0700 EST
	0540							ON LOC - DRILLING
								Safety Meeting - Rig up trk.
	0815							T.O.H.
	1010							Run csq. @ 8 ^{5/8} #23
	1048							ON Bottom @ 1644' ORIGINAL
	1050							Hook up to circ.
	1102							Hook up to cement
	1105	0-7	178		✓	0/160		Pump lead amt. @ 310 sks MC-223
		7	23		✓	100		Pump tail amt. @ 100 sks P+
	1132	7-0				100%		Shut down - Drop plug
	1133	0-6	102		✓	0/1000		Pump Displ. - wash up trk.
	1149	6-2 1/2			✓	30%/250		Reduce RATS
	1152	2 1/2-0			✓	325/100		Plug Down
	1153					700%		RELEASE PRESS. - 15/ost held
								Cement to SURFACE
								Approx: 28 bbls or 50 sks
								RELEASED
								APR 6 1998
								FROM CONFIDENTIAL
								THANK YOU!
								Tom & Tyce & ORSW

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 STATE COMMERCE COMMISSION
 FEB 11 1997
 CONSERVATION DIVISION
 Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION
Mid Continent
Liberal KS

BILLED ON TICKET NO. 107251
Kee

FIELD Angell SEC 25 TWP 32S RNG 30W COUNTY Meade STATE KS

FORMATION NAME Atoka 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 6150

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	20	5765	
LINER						
TUBING						
OPEN HOLE						
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT <u>insert</u> <u>5/8</u>	<u>1</u>	<u>H</u>
FLOAT SHOE		
GUIDE SHOE <u>log</u> <u>5/8</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>5/8</u>	<u>10</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>SW</u> <u>5/8</u>	<u>1</u>	
HEAD <u>P/C</u> <u>5/8</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>O</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 PROP. TYPE _____ SIZE _____
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____
 ACID TYPE _____ GAL. _____
 SURFACTANT TYPE _____ GAL. _____ IN _____
 NE AGENT TYPE _____
 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 _____

RELEASED
APR 6 1998

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-7-96</u>	DATE <u>11-7-96</u>	DATE <u>11-7-96</u>	DATE <u>11-7-96</u>
TIME <u>1400</u>	TIME <u>1700</u>	TIME <u>2255</u>	TIME <u>2336</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J Woodrow</u>		<u>Liberal</u>
<u>R. Elwood</u>		
<u>D. M'lane</u>		
<u>G. Barker</u>		<u>Hugobon</u>

CONFIDENTIAL

DEPARTMENT: Cement
DESCRIPTION OF JOB: Cement 5 1/2 long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X O J A Truck

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>75</u>	<u>Premium</u>	<u>Sow's Best</u>	<u>B</u>	<u>.9% Versaset 50 KCL .6% Hallad 322</u> <u>1/4# Flocele</u>	<u>1.41</u>	<u>14.5</u>
	<u>25</u>	<u>sacks</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 473 REASON Shoe Joint

SUMMARY

PRELUSH (BBL.-GAL.) 10 TYPE Super Flush
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL (BBL.-GAL.) 134.8
 CEMENT SLURRY: (BBL.-GAL.) 19
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS
RECEIVED
STATE CORPORATION COMMISSION
FEB 11 1997

FIELD OFFICE

CONSERVATION DIVISION
Wichita, Kansas



HALLIBURTON

ORIGINAL

DATE 11-7-96 PAGE NO.

JOB LOG HAL-2013-C

CUSTOMER Anadarko WELL NO. A-1 LEASE Pace JOB TYPE 5 1/2 long string TICKET NO. 107251

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Job Ready
	1400							Called for Job
	1700							Pump truck and Bulk truck on loc
	1815							Rig laying down D.P. Set up Pump truck
	1815							D.P. layed down pull R.H & M.H.
	1930							Start running 5 1/2 Casing and JLT equip
	2215							Casing on bottom Hook up P.C. and
	2225							Circulating Iron
	2225							Start Circulating with Rig Pump
	2252							Hold Safety Meeting
	2255	5	8				0-250	Run 8 Bbl Fresh water Ahead
		5	10				0-250	Pump 10 Bbl Super Flush
		5	8				0-250	Pump 8 Bbl Fresh water Behind
	2308	5	5				0	Plug R.H - M.H with 25 SKS
	2310	6	18				180	Start mixing 75 SKS @ 14.5
	2312						0	through mixing Cement - shut down
	2314							wash up pump & lines - Release Plug
	2318	6-8					0-130	Start Displacement
							458	Max lift before landing plug
	2330	638	139				1200	Plug Down - Release Float
	2330							Float held

CONFIDENTIAL

RELEASED

APR 6 1998

FROM CONFIDENTIAL

Thank You

Woody & Danny

RECEIVED STATE CORPORATION COMMISSION

FEB 11 1997

CONSERVATION DIVISION Wichita, Kansas