

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 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 PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

11-29-96 12-1-96 12-26-96

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21468 00-00

County MORTON

SW - SW - NE - NE Sec. 36 Twp. 34 Rge. 40 X E W

1250 Feet from X (circle one) Line of Section

1250 Feet from X (circle one) Line of Section

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

Lease Name HAYWARD "A" Well # 3H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3329 KB _____

Total Depth 2860 PBDT 2815

Amount of Surface Pipe Set and Cemented at 586 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
(Data must be collected from the Reserve Pit) 2-16-98

Chloride content NA ppm Fluid volume 4000 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: 3:25

Operator Name _____

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 David W. Kapple

Title DIVISION DRILLING ENGINEER Date 2/17/97

Subscribed and sworn to before me this 17th 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)

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HAYWARD "A" Well # 3H

Sec. 36 Twp. 34 Rge. 40 East County MORTON 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	GLORIETTA	1276-1450
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/STONE CORRAL	1740
List All E.Logs Run: DIL, CNL-LDT, CBL-GR.		CHASE	2540
		KRIDER	2568
		WINFIELD	2636
		TOWANDA	2716
		FT. RILEY	2780

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	586	P+ MIDCON 2/ P+	110/100	2%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	2857	MIDCON/ MIDCON.	170/110	2%CC, 1/4#SK FLC/ 2%CC, 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	2568-2592, 2600-2624, 2636-46, 2656-2666,	ACID: 2000 GAL 7-1/2% FeHCL.	2568-2682 (OA)
	2674-2682.	FRAC: 33000 GAL GELLED KCl WTR & 96623#	2568-2682 (OA)
		12/20 SD.	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. FIRST: 1-7-97	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf.	Water Bbls.	Gas-Oil Ratio	Gravity
		681	0		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

METHOD OF COMPLETION _____ Production Interval 2568-2682 (OA)

CUSTOMER: *Anadarko Petroleum Corp*
LEASE: *Hayward A*
WELL NO.: *3 H*
JOB TYPE: *8 1/2" Surface*
DATE: *11-12-96*

WELL DATA

FIELD _____ SEC. *36* TWP. *32^s* RNG. *40^w* COUNTY *Moreton* STATE *Kc*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<i>24</i>	<i>8 1/2</i>	<i>KR</i>	<i>590</i>	
LINER						
TUBING						
OPEN HOLE			<i>12 1/4</i>	<i>GL</i>	<i>590</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 _____

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COVER <i>Fesent</i>	<i>1</i>	<i>Huco</i>
FLOAT SHOE <i>1-1/2" x 7/8"</i>	<i>1</i>	
GUIDE SHOE	<i>4</i>	
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<i>1</i>	
HEAD		
PACKER <i>Backet</i>	<i>1</i>	
OTHER <i>Huoco (4) (2) (1) (1)</i>	<i>143</i>	

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>11-29</i>	DATE <i>11-29</i>	DATE <i>11-29</i>	DATE <i>11-29</i>
TIME <i>1100</i>	TIME <i>1400</i>	TIME <i>1515</i>	TIME <i>1600</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>W. K. ...</i>	<i>59179</i>	<i>420241</i>
<i>Clay</i>	<i>09259</i>	<i>52938</i>
<i>B. M. ...</i>	<i>H2308</i>	<i>52920</i>
		<i>7649</i>

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. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT *Cement*

DESCRIPTION OF JOB *8 1/2" Surface*

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

CUSTOMER REPRESENTATIVE *X* *Distillo*

HALLIBURTON OPERATOR *Dennis Gore*

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>100</i>	<i>MidCont</i>	<i>Prism Plus</i>	<i>29 1/2</i>	<i>1/4 Flocc</i>	<i>3.22</i>	<i>11.1</i>
	<i>100</i>	<i>Prism Plus</i>		<i>29 1/2</i>	<i>1/4 Flocc</i>	<i>1.32</i>	<i>14.8</i>

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 *43.89* REASON *Shoe Joint*

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *34.78*

CEMENT SLURRY: BBL.-GAL. *86.50*

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

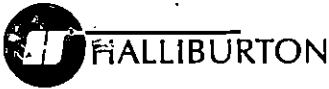
JOB LOG HAL-2013-C

 CUSTOMER: **Amador P.Teo** WELL NO.: **3H** LEASE: **Hayward A** JOB TYPE: **8 1/2 SURFACE** TICKET NO.: **107278**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							Time Called
	1430							Time Ready
	1400							Time out! Rig lay Down DP
	1445							Start Pump Casing ORIGINAL
	1515							Casing in hole
	1515							Hook up to Circulate Casing
	1522							Circulate Casing 4/100 Pump
	1525							Circulate Met to Ground level
	1530							Hook up to Pump Truck
	1535	5.3					150	Start Mixing Cement
	1541		63.0				150	Start Tank Cement
	1550		23.50				150	Finish Mixing Cement
	1551		86.50				150	Shut Down
								Total BRL
	1552	5					50	Start Dephlocant
		4.3 Ag	34.78					work Pump & Lines
	1600						150/700	Rig Down
								Front field Circulate Cent To Pit 15 BBL / 26 SK

 RECEIVED
 KANSAS CORP COMM
 1997 FEB 21 P B: 25

Thanks For Calling
 Halliburton
 Energy
 Don's Carr
 + Carron



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

Mick Con J
Liberals

BILLED ON TICKET NO. 107293

FIELD _____ SEC. 36 TWP. 34^s RNG. 140^w COUNTY Moravia 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		159	5 1/2	KB	2863	
LINER						
TUBING						
OPEN HOLE				772	2860	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Tascit Mast</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>5/8" P</u>	<u>1</u>	
GUIDE SHOE <u>Reg</u>	<u>1</u>	
CENTRALIZERS <u>0</u>	<u>17</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER		

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-1</u>	DATE <u>12-1</u>	DATE <u>12-1</u>	DATE <u>12-1</u>
TIME <u>1500</u>	TIME <u>1715</u>	TIME <u>1845</u>	TIME <u>2015</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>Oliver</u>	<u>59179</u>	<u>420041</u> <u>2</u> <u>Wade</u> <u>Ks</u>
<u>Gray</u>	<u>09259</u>	<u>52938</u> <u>1</u> <u>Wade</u> <u>Ks</u>
<u>Glowe</u>		<u>78051</u> <u>1</u> <u>Wade</u> <u>Ks</u>
		<u>50866</u> <u>1</u> <u>Wade</u> <u>Ks</u>
		<u>6612</u> <u>1</u> <u>Wade</u> <u>Ks</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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB 5 1/2 Prod. Stg

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

CUSTOMER REPRESENTATIVE X Castillo

HALLIBURTON OPERATOR Dennis Carr COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>170</u>	<u>Bem Plus</u>	<u>Mick Con</u>	<u>29.66</u>	<u>1/4# Hache</u>	<u>3.22</u>	<u>11.1</u>
	<u>110</u>	<u>Bem Plus</u>	<u>Mick Con</u>	<u>29.66</u>	<u>1/4# Hache</u>	<u>2.00</u>	<u>12.8</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 34 REASON Slows down

SUMMARY

PRESLUSH: BBL.-GAL. 8 BBL / Hrs VOLUME TYPE 10 / SF 8 BBL / Hrs

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 67.32

CEMENT SLURRY: BBL.-GAL. 136.67

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Annabers Petroleum Lease Hwy 11000

WELL NO: 34

JOB TYPE: 5 1/2 Prod. Stg

DATE: 12-1-96



JOB LOG HAL-2013-C

DATE 12-1-96 PAGE NO.

CUSTOMER Amoco Petro WELL NO. 3# LEASE Haywood A JOB TYPE 5 1/2 Prod String TICKET NO. 107294

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							Time Called
	1800							Time Ready
	1715							Time on Job
	1745							Start Pumping Casing
	1845							Casing in Hole
	1845							Hookup To Circulate Casing
	1855							Circulate Casing w/ 1200 Pump
	1857							Circulate Mud To Annular Level
	1920							Hookup To Pump Truck
	1923	5				350		Start Water Flood
	1925	/				350		Start Super Flush
	1927	/				350		Start Water Bridge
	1929	5.6	97.49			350		Start Mixing Cement
	1948		39.18			400		Start Tail Cement
	1953		136.67			400		Finish Mixing Cement
	1954					350		Shut Down
	1955	5				75		Start Displace Mud
	2015	3.3	67.32			750		Plug Down

ORIGINAL

RECEIVED KAISAS SOILP FORM 1997 FEB 24 P 3:25

Flat Head Circulate a Trace of Cement To The PIT

Thanks For Calling
Dennis Lane