

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 129-215690000 *plugged 1/8/98*

County MORTON
160' N & 170' E OF E
C - NW - SW - SW Sec. 9 Twp. 34 Rge. 39 X W

Operator: License # 4549

1150 Feet from X(S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

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

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name HJV HAYWARD "O" Well # 1

Purchaser: NONE-D&A

Field Name WILDCAT

Operator Contact Person: DAVID W. KAPPLE

Producing Formation NONE

Phone (316) 624-6253

Elevation: Ground 3327.5 KB _____

Contractor: Name: NORSEMAN DRILLING **RELEASED**

Total Depth 6867 PBTD 0

License: 3779

Amount of Surface Pipe Set and Cemented at 1780 Feet

Wellsite Geologist: _____ **MAY 06 2000**

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

If yes, show depth set _____ Feet

Oil _____ SWD _____ SIOW _____ Temp. Abd.
Gas _____ ENHR _____ SIGW
X Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Part A, 1-11-99 U.C.
(Data must be collected from the Reserve Pit)

If Workover: **KCC**

Chloride content 900 ppm Fluid volume 700 bbls

Operator: _____ **NOV 5**

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Well Name: _____ **CONFIDENTIAL**

Comp. Date _____ Old Tool Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening _____ Re-perf. _____ Conv. to Inj/SWD
Plug Back _____ PBTD
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

9-24-98 10-7-98 10-8-98

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

Spud Date _____ Date Reached TD _____ Completion Date _____

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 L. Marc Harvey

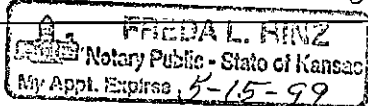
Title DRILLING TECHNICAL ASSISTANT Date 11-5-98

Subscribed and sworn to before me this 5th day of November

19 98.

Notary Public Freda L. Henz

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name H.I.V HAYWARD "O" Well # 1

Sec. 9 Twp. 34 Rge. 39 East West County MORTON

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	2608	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2910	
List All E.Logs Run: DIL, CNL-LDT, ML, MSFL, LS SONIC.		TOPEKA	3611	
		HEEBNER	4160	
		TORONTO	4182	
		LANSING	4288	
		KANSAS CITY	4709	
		MARMATON	4956	
		MORROW	5778	
		CHESTER	6312	
		STE. GENEVIEVE	6458	
		ST. LOUIS	6618	

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	1780	P+ MIDCON/ P+ MIDCON.	415/100	3%CC, 1/4#/SK FLC/ 2%CC, 1/4#/SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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
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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)
<i>Pt A</i>		

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<i>N-A</i>				

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: _____

NONE-D&A



JOB SUMMARY 4239-1

TICKET #	384285	TICKET DATE	9-26-98
BDA / STATE	Ks	COUNTY	Morton
PSL DEPARTMENT	2 I		
CUSTOMER REP / PHONE	1 KE		
API / UWI #	15-129-215690000		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MidCont USA
MBU ID / EMP #	H3115	EMPLOYEE NAME	Nick Karbe
LOCATION	Liberal	COMPANY	Andarko Pet Corp
TICKET AMOUNT	\$18172.02	WELL TYPE	02
WELL LOCATION	E of Rolla	DEPARTMENT	Cement
LEASE / WELL #	HJK-Howard #	SEC / TWP / RNG	9-245-39W

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Karbe H3115 7 1/2	B. Tomlinson J1932 7 1/2	D. Falk J0863 7 1/2	P. Ferguson J1602 7 1/2

ORIGINAL

MAY 06 2000

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270	110	54219/75374	110	52276/7649	42	52823/6610	42

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Form Name: _____ Type: _____
 Form Thickness: _____ From: _____ To: _____
 Packer Type: _____ Set At: _____
 Bottom Hole Temp.: _____ Pressure: _____
 Misc. Data: _____ Total Depth: _____

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	9-25-98	9-26-98	9-26-98	9-26-98
TIME	2030	0800	0445	0600

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar	1	H
Float Shoe	1	H
Guide Shoe	1	O
Centralizers	5	O
Bottom Plug	1	U
Top Plug	1	C
Head	1	O
Packer	1	O
Other	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23	8 5/8	0	1794	1000
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid Density _____ Lb/Gal
 Disp. Fluid Density _____ Lb/Gal
 Prop. Type _____ Size _____ Lb.
 Prop. Type _____ Size _____ Lb.
 Acid Type _____ Gal. %
 Acid Type _____ Gal. %
 Surfactant _____ Gal. In
 NE Agent _____ Gal. In
 Fluid Loss _____ Gal/Lb In
 Gelling Agent _____ Gal/Lb In
 Fric. Red. _____ Gal/Lb In
 Breaker _____ Gal/Lb In
 Blocking Agent _____ Gal/Lb
 Perfpac Balls _____ Qty.
 Other _____
 Other _____
 Other _____
 Other _____

HOURS ON LOCATION

DATE	HOURS
9-26-98	7 1/2 hrs
TOTAL	7 1/2 hrs

OPERATING HOURS

DATE	HOURS
9-26-98	1 hr
TOTAL	1 hr

DESCRIPTION OF JOB

010
 RESTORATION
 CEMENT
 SHIT

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HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM _____
 FEET 39' _____ Disp. _____ Overall _____
 CEMENT LEFT IN PIPE _____ Reason: shit

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
L	400	PP, Micon	B	3% CC, 1% FULCA, 1/2# flocc	2.97	11.4
F	100	PP	B	3% CC, 1/2# flocc	1.34	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 112
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI _____ Total Volume Gal - BBI 261

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE: *Nick Karbe*



JOB LOG 4239-5

TICKET #	384285	TICKET DATE	9-26-98
REGION	North America	BDA / STATE	Ks
NWA/COUNTRY	MidCoast USA	COUNTY	Morton
MBU ID / EMP #	MCL10110 H3115	PSL DEPARTMENT	ZT
EMPLOYEE NAME	Nick Karbe	CUSTOMER REP / PHONE	JKE
LOCATION	Liberal	API / UWI #	15-129-21569000
COMPANY	Acadanko Pet. Corp.	JOB PURPOSE CODE	010 RELEASED
TICKET AMOUNT	\$18172.02	SEC / TWP / RNG	9-345-39.6
WELL LOCATION	East Rodha		
LEASE / WELL #	HJV-Hayward #0-1		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
Nickarbo H 3115 7 1/2	CONFIDENTIAL		
B Tomlinson T1832 7 1/2	CONFIDENTIAL		
D Fulk J0763 7 1/2			FROM CONFIDENTIAL
R Engman T5602 7 1/2			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS (T) (C)	PRESS (psi) (Tbg) (Csg)	JOB DESCRIPTION / REMARKS
	2020					called out on loc
	0000					Held safety mtg setup Trks
	0200					ST FE
	0415					Drop ball
	0426					Break circ
	0440				1500	Test lines
	0444	6	0		100	ST cent 460 sks P.P.M.C. 11.4"
	0530	6	237/0		100	ST cent 100 sks PP 14.8"
	0536		24			end cent
	0538					release plug
	0538	7			100	st disp
	0539	7	7		150	catch cent
	0552	2	92		350	slow rate
	0555	1	102		375	slow rate
	0605	1	112		425/1000	Run p plug circ 40 sks cent to pit
	0606					release pres 27 bbls plug held

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rack up Trk
wash up Trk
Job complete
Thank you
Nick, Bryan & crew

KCO
NOV 5
CONFIDENTIAL



JOB SUMMARY 4239-1

REGION North America		NWA/COUNTRY Mid CONTINENT		TICKET # 384198	TICKET DATE 10-8-98
MBU ID / EMP # L1104 62573		EMPLOYEE NAME JOHN WOODROW		BDA / STATE KS	COUNTY MORTON
LOCATION LIBERAL KS		COMPANY ANADARKO PETROLEUM		PSL DEPARTMENT ZONAL ISOLATION	
TICKET AMOUNT \$ 6899.64		WELL TYPE 02		CUSTOMER REP / PHONE JACK TOMAN	
WELL LOCATION E. ROLLA		DEPARTMENT CEMENT		API / UWI #	
LEASE / WELL # HDV - HAYWARD		SEC / TWP / RNG 9-34S-39W		JOB PURPOSE CODE 115	

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
J. WOODROW 62573	6.5						
S. GRANT 44639	6.8						
S. OWENS 52208	6.5						

NOV 06 2000

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218/76900	102						
53336/75817	21						

ORIGINAL

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-8-98	0230	0930	10-8-98	10-8-98

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	U	16.4	4 1/2 X 11			
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				Plugging procedure SEE JOB LOG
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET	CEMENT LEFT IN PIPE Reason	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	215	PREM 40ppm B		6% TOTAL GEL	1.64	13.2

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
Shut in: Instant	5 Min	Cement Slurr	Gal (BB) 62.7	
	15 Min	Total Volume	Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____



JOB LOG 4239-5

TICKET #	317177	TICKET DATE	10-8-97
BDA / STATE	KS	COUNTY	MORTON
PSL DEPARTMENT	20101 TULSION		
CUSTOMER REP / PHONE	TACE T. MAD		
API / UWI #			
JOB PURPOSE CODE	115		

REGION	North America	NW/COUNTRY	INDIA CONTINENT
MBU ID / EMP #	1516 12573	EMPLOYEE NAME	John Woodrow
LOCATION	10711	COMPANY	474 LINKS PITHULUM
TICKET AMOUNT		WELL TYPE	CEMENT
WELL LOCATION		DEPARTMENT	
LEASE / WELL #	10711	SEC / TWP / R1NG	7-345-374

RELEASED

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
J. Woodrow 12573	6.5						
S. Smith 14139	6.5						
S. Smith 5108	6.5						

ORIGINAL

FROM CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				UT	CC	37Bg	Csg	
	0230							JOB READY NOW
	0230							CALLED OUT FOR JOB
	0430							CONFIDENTIAL PUMP TRUCK ON LOCATION / HAVE PRE JOB SITE ASSESSMENT MEETING / SPOT EQUIPMENT RIG UP / RIG LAYING DOWN DRILL PIPE
	0530							TRIP BACK IN HOLE WITH 3160' OF D.P.
	0600							D.P. ON BOTTOM 3160'
	0605							HOOK UP KELLY + CIRCULATE HOLE THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
	0632					2500		PRESSURE TEST PUMP LINES PLUGGING PROCEDURE LOOSE PLUG AT 3160
	0635	4.0	10			100		PUMP 10 BBLS FRESH WATER AHEAD
	0638	5.5	29			100		MIX 100SKS CMT AT 13.2 LB/GAL
	0644	3.0	3.5			100		PUMP 3.5 BBLS WATER BEHIND
			33.5					DISPLACE WITH 33.5 BBLS MUD
								SHUT DOWN / KNOCK LOOSE / LAY DOWN D.P. TO 1820'
								PLUGGING PROCEDURE 40SK PLUG AT 1820'
	0740	4.0	10			100		PUMP 10 BBLS FRESH WATER AHEAD
	0744	4.0	11.6			100		MIX 40SKS CMT AT 13.2 LB/GAL
	0747	3.0	3.5			100		PUMP 3.5 BBLS WATER BEHIND
	0749	4.5	19.5			100		DISPLACE WITH 19.5 BBLS MUD
	0752							SHUT DOWN / KNOCK LOOSE / LAY DOWN D.P. TO 820'
								PLUGGING PROCEDURE 40SK PLUG AT 820'
	0830	5.0	35			100		PUMP 35 BBLS FRESH WATER
	0841	5.0	11.6			100		MIX 40 SKS CMT AT 13.2 LB/GAL
	0844	5.0	8.5			100		DISPLACE WITH 8.5 BBLS WATER
	0848							SHUT DOWN / KNOCK LOOSE / LAY DOWN REST OF DRILL PIPE / LAY DOWN R-H + M-H
	1000		2			0		PLUG TOP FROM 40 - G.L. WITH 10-SKS
	1002		2			0		PLUG RPH WITH 15-SKS
			3			0		PLUG R-H WITH 15-SKS
								JOB COMPLETE THANK YOU FOR CALLING HALLIBURTON! WOODY & CREW