

ORIGINAL

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

API NO. 15- _____ 033-20927
County COMANCHE
NE SE Sec. 14 Twp. 31 Rge. 18 X W

Operator: License # 4549

1980 Feet from X (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

660 Feet from X (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 PYLE "B" Well # 1

Purchaser: KGS

Field Name WILMORE

Operator Contact Person: DAVID W. KAPPLE

Producing Formation MISSISSIPPIAN

Phone (316) 624-6253

Elevation: Ground 2063.0 KB _____

Contractor: Name: DUKE DRILLING

Total Depth 5150 PBDT 5048

License: 5929

Amount of Surface Pipe Set and Cemented at 536 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well _____ Re-Entry _____ Workover

If Alternate II completion, cement circulated from _____

Oil _____ SWD _____ SLOW _____ Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

X Gas _____ ENHR _____ SIGW

Drilling Fluid Management Plan AH 1, 4-2-98 U.C.
(Data must be collected from the Reserve Pit)

Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover: _____

Chloride content 4200 ppm Fluid volume 700 bbls

Operator: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Operator Name _____

Plug Back _____ PBDT _____

Lease Name _____ License No _____

Commingled _____ Docket No. _____

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

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

County _____ Docket No. _____

4-15-97 4-22-97 5-15-97

Spud Date Date Reached TD Completion Date

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.

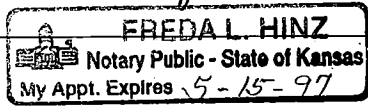
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 8-13-97

Subscribed and sworn to before me this 13th day of August
19 97.

Notary Public Fredal Hinz

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 PYLE "B" Well # 1
 Sec. 14 Twp. 31 Rge. 18 East County COMANCHE
 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: SBT-CCL-GR, DIL, CNL-LDT-ML, SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
HEEBNER	4152	
LANSING	4338	
B/KANSAS CITY	4760	
MARMATON	4832	
CHEROKEE	4910	
MISSISSIPPIAN	4964	

CASING RECORD

New 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	536	P+ MIDCON 2/P+	110/110	3%CC, 1/4#SK FLC/2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5108	VERSASET	100	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	5020-5042.		ACID: 1600 GAL 15% FeHCL.
4	4966-5006		ACID: 5100 GAL 15% HCL W/20% METHANOL	4966-5006

TUBING RECORD	Size 2 3/8	Set At 5036	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. 6-5-97	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 208	Water Bbls. 3	Gas-Oil Ratio	Gravity
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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: 4966-5042 (OA)



JOB SUMMARY 4239-1

TICKET #	109873	TICKET DATE	9-15-97
BDA / STATE	Ks	COUNTY	Com. n.w.c. H.C.
PSL DEPARTMENT	STIM	CUSTOMER REP / PHONE	
API / UWI #	13033209260000	JOB PURPOSE CODE	010

REGION	North America	NWA/COUNTRY	IND CON
MBU-ID/EMP #	PRO509 G1622	EMPLOYEE NAME	Todd Seba
LOCATION	Pratt Ks	COMPANY	ANNADACKO
TICKET AMOUNT		WELL TYPE	01 OIL
WELL LOCATION	Wilmoret Ks	DEPARTMENT	C CEMENT
LEASE / WELL #	PLYC B-1	SEC / TWP / RNG	29-315-18W

ORIGINAL

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
T. Seba							
C. Boden							
B. Johnson							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
32923 PU	93						
5195 PTK	73						
S2530 B-LK	93						

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

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-15-97	19:00				

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 1 1/2" x 4"	1	H.E.S.
Float Shoe 4 1/2" x 4"	1	H.E.S.
Guide Shoe Texas Pattern	1	H.C.S.
Centralizers		H.C.S.
Bottom Plug		
Top Plug Wooden	1	H.E.S.
Head		
Packer		
Other CMT Basket	1	H.E.S.

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	D	23	8 7/8	KB	SSI-6	
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
 Perpac Balls _____ Qty.
 Other _____
 Other _____
 Other _____
 Other _____

HOURS ON LOCATION

DATE	HOURS
9-15-97	6
TOTAL	

OPERATING HOURS

DATE	HOURS
9-15-97	172 hrs
TOTAL	

DESCRIPTION OF JOB

CMT
 Surface 273
 11/10/14
 11/10/14
 11/10/14

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET _____ Reason _____

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	110	Mt 6000 C	B	3% C.C. 49" Flozelle	2.71	11.7
2	110	Silowater	B	7% C.C. 49" Flozelle	1.18	15.6

Circulating _____ Displacement _____ Preflush: _____ Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: _____ Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment _____ Gal - BBI _____ Disp: BBI - Gal _____ 32.63
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr _____ Gal - BBI _____ 37 + 23.11 = 90.11
 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 _____

REGION North America	NWA/COUNTRY MEXICO	BDA / STATE KS	COUNTY COMANCHE
MBU ID / EMP # 110334 G1622	EMPLOYEE NAME TERRY A SC3A	PSL DEPARTMENT ST+M	
LOCATION PITTS KS	COMPANY WADARCO PET CORP	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE OIL	API / UWI # 15033209260000	
WELL LOCATION W+L 10	DEPARTMENT LWT	JOB PURPOSE CODE 010	
LEASE / WELL # FILE 13-1	SEC / TWP / RNG 29-31S-18W	ORIGINAL	

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
L. Dyer							
C. Boker							
B. Solinas							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1:10							Emitted out
	2:15							on loc Rig steel Dels
	2:00							Tekov loc SAFETY MITG
								Guise Stick T Bottom TIGHT FULLY PSS 1ST
								Contention on JIS 1-3-8-11 CMT BASKET on JT 11
	2:39							START (S)
	1:10							Drop Ball
	1:14							CX on Bottom
	1:23					200		BRK CIRC TO 200
	1:37	S						START MIXING LIND CMT
	1:50		51					START MIXING TILL CMT
			23					
	2:00		80					FINISHED MIXING
	2:03							SHUT DOWN Close Lines
	2:09							RELEASE PLY
	2:10							START DISPT
	2:10		210			200		CMT to surface 135 JIS to Pst ✓
			33			500		Plug down. HLLW RELEASE
								WASH UP WELL WDECK CMT REC 1000 LIDOCK 1000

RECEIVED
 1917 AUG 14 10 11:33



JOB SUMMARY 4239-1

TICKET #	219097	TICKET DATE	KCC 4-23-97
BDA / STATE	KS.	COUNTY	COMANCHE
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	O.J. STUELL		
API / UWI #	15033209270000		
JOB PURPOSE CODE	035 ORIGINAL		

REGION	North America	NWA/COUNTRY	MEXICAN COAST, USA
MBU ID / EMP #	08500	EMPLOYER NAME	NEW COROLEY
LOCATION	PRATT, KS.	COMPANY	AMUNDARLO PET.
TICKET AMOUNT	7597.41	WELL TYPE	02
WELL LOCATION	NEW WELLMORE, KS.	DEPARTMENT	CEMENT
LEASE / WELL #	WELL "B" #2	SEC / W/P / RNG	14-315-18W

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
B. GORLEY (78500)		M. DARBER B5476		C. MESSER H5314			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
94040	120	51936	120	4142-5621	120		

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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar T.F.	1	Howco
Float Shoe FILL-UP	1	
Guide Shoe	1	
Centralizers	9	
Bottom Plug		
Top Plug SW	1	
Head & HANDLE	1	
Packer		
Other		

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		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
4-23	1400	4-23	1700	4-23	2200

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	1572	5 1/2	68	5108	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			778	5108	3150	SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				NEW COROLEY AMUNDARLO PET. WELL "B" #2
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

TREATED _____ AVERAGE RATES IN BPM _____ Overall _____

FEET 33.79 CEMENT LEFT IN PIPE _____ Reason INJECT FLOW

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	100	STANDARD	B	6% H-322, 5% KCL, .75% VERSA SET, 74 #/SK FLOCCEL	1.41	14.5
	25	(STANDARD)	B	PLUG BAIT HOLE		

Circulating	Displacement	Preflush:	Gal (BBI) 8-10-8	Type	H-20 & S.F.
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad:	BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp:	BBI - Gal 20.5
Shut In: Instant	5 Min	Cement Slurr	Gal (BBI) 25.1		
	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 # 219097	TICKET DATE 7-27-97
BDA / STATE W.S.	COUNTY HARRISON
PSL DEPARTMENT P. 2106101	
CUSTOMER REP / PHONE C. J. Sierck	
API / UWI # 150332092 10000	
JOB PURPOSE CODE C 85	

REGION North America	NWA/COUNTRY USA
MBU ID / EMP # 10000	EMPLOYEE NAME [unclear]
LOCATION W. 111, R. 22	COMPANY HARRISON
TICKET AMOUNT	WELL TYPE CZ
WELL LOCATION [unclear]	DEPARTMENT [unclear]
LEASE / WELL # [unclear]	SEC / TWP / RNG 14-33-100

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

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg.	Csg	
	1400							ARRIVED ON LOCATION
	1700							RIC READY TO RUN CASING
	1830							PUMP TRUCK ON LOCATION
								TO 5150'
								RUN 5 1/2" 15 1/2' CASING TO 5108.66
								RUN GUIDE SHOES, INSERT FLOAT IN 1ST COLLAR. CENTRALIZER ON COLLARS 1-2-3-4-7-10-13 @ 12 #10 FROM LAST
	1930							CASING AT 5108', DROP BALL, BRONIL CORE WITH HIGH PUMP. REGRABATE CASING.
	2030							HOOK UP AOWCO TO CASING
	2037	6	8			250		PUMP 8 BBL H ₂ O
		6	10					PUMP 10 BBL SUPERFLUSH
		6	8					PUMP 8 BBL H ₂ O
		6	0			300		START MIX CEMENT (100 SACS CEMENT)
	2049	6	25			300		FINISH MIX CEMENT
								SHUT DOWN
								WASH OUT LINE & RELEASE TOP RUB
	2053	8	0			200		START DISP.
		8	100			350		LIFTING CEMENT
		7	105			400		SLOW RATE
		6	110			500		SLOW RATE
	2110	5	120 1/2			1200		PUT DOWN
								RELEASE - FLOAT HELD
								PUT PAT HOLE & MOUSE HOLE
								WASH UP - BACK UP
	2200							JOB COMPLETE THANKS KEVIN CONOLEY