

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 ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: \_\_\_\_\_

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  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11-28-97 12-1-97 1-6-98

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21546-00-00

County MORTON

SE - SE - NW - SE Sec. 4 Twp. 34 Rge. 39  E  W

1390 Feet from X  (circle one) Line of Section

1390 Feet from  X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE,  NW or SW (circle one)

Lease Name NIX "B" Well # 2

Field Name PANOMA COUNCIL GROVE

Producing Formation COUNCIL GROVE

Elevation: Ground 3290.0 KB \_\_\_\_\_

Total Depth 3400 PBTB 3164

Amount of Surface Pipe Set and Cemented at 540 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 AIF-1, 6-15-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 3100 ppm Fluid volume 400 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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.

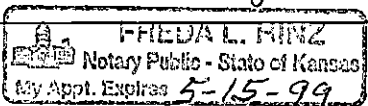
Signature L. Marc Harvey  
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 3-23-98

Subscribed and sworn to before me this 23<sup>rd</sup> day of March 19 98.

Notary Public Frieda L. Minz

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 9810N  
 KGS  Plug  Other  
(Specify)  
FRAN 25 1004

3-25-98

SIDE TWO

JAN 1990

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name NIX "B" Well # 2

Sec. 4 Twp. 34 Rge. 39  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  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: CBL-CCL-GR, DIL, CNL-LDT, ML.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
GLORIETTA	1312-1480	
B/STONE CORRAL	1808	
HERRINGTON	2606	
KRIDER	2670	
WINFIELD	2698	
TOWANDA	2762	
FT. RILEY	2830	
WREFORD	2916	
COUNCIL GROVE	2940	

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	540	P+ MIDCON 2/ P+	90/100	3%CC, %SK FLC/ 2%CC, %SK FLC.
PRODUCTION	7/7/8"	5-1/2"	15.5	3400	P+ MIDCON 2/ P+ MIDCON 2.	220/130	2%CC, %SK FLC/ 2%CC, %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	2940-2948, 2966-2970, 2979-2986.	ACID: 1500 GAL 7% FeHCL.	2940-2986 (OA)
		FRAC: 46011 GAL FOAMED GEL & 121000# 12/20	2940-2986 (OA)
		SD.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2948		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
2/27/98	<input checked="" 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
		139	95		

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: 2940-2986 (OA)



**JOB SUMMARY** 4239-1

TICKET # <b>234310</b>	TICKET DATE <b>11-28-97</b>
BDA / STATE <b>Ks</b>	COUNTY <b>MORTON</b>
PSL DEPARTMENT <b>CEMENT</b>	CUSTOMER REP / PHONE <b>SIM BARLOWE</b>
API / UWI #	JOB PURPOSE CODE <b>010-8 3/4 SURFACE</b>

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT</b>
MBU ID / EMP # <b>L1104 62573</b>	EMPLOYEE NAME <b>JOHN WOODROW</b>
LOCATION <b>LIBERAL KS</b>	COMPANY <b>ANADARKO PET</b>
TICKET AMOUNT	WELL TYPE <b>02</b>
WELL LOCATION <b>S. FETERITA</b>	DEPARTMENT <b>CEMENT</b>
LEASE / WELL # <b>NIX B-2</b>	SEC / TWP / RNG <b>7-345-39W</b>

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>G HUMPHRIES 119692</b>			
<b>D. COOPERING</b>			

**ORIGINAL**

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>53554 / 76,900 75-704</b>	<b>80</b>						
<b>52924 / 75817 BLUE</b>	<b>20</b>						

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 <b>TUSCOM 8 3/4</b>	<b>1</b>	<b>H</b>
Float Shoe		
Guide Shoe <b>RIG 8 3/4</b>	<b>1</b>	<b>O</b>
Centralizers <b>S-4 8 3/4</b>	<b>7</b>	
Bottom Plug		<b>W</b>
Top Plug <b>5" W</b>		
Head <b>PIC</b>	<b>1</b>	<b>C</b>
Packer		
Other <b>BASKET 5 7/8</b>	<b>1</b>	<b>D</b>

**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 _____	

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>11-28-97 0930</b>	<b>11-28-97 1215</b>	<b>11-28-97</b>	<b>11-28-97</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>23</b>	<b>8 3/4</b>	<b>KB</b>	<b>555</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

TREATED \_\_\_\_\_

**AVERAGE RATES IN BPM**

Disp. \_\_\_\_\_ Overall \_\_\_\_\_

**CEMENT LEFT IN PIPE**

FEET **37** Reason **SHOT DOWN**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>70</b>	<b>P4 Nuclear</b>	<b>15</b>	<b>3/4 CC 1/4 Floccul</b>	<b>3-23</b>	<b>11.1</b>
	<b>100</b>	<b>P4</b>	<b>10</b>	<b>27 CC 1/4 Floccul</b>	<b>1-32</b>	<b>14.8</b>

Circulating _____ Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____ Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____ Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI Gal <b>33</b>
Shut In: Instant _____ 5 Min _____ 15 Min _____	Cement Slurr Gal (BBI) <b>57.5 CC</b>	<b>13.5 TC</b>
	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 \_\_\_\_\_

TICKET # <b>234310</b>	TICKET DATE <b>11-28-77</b>
BDA / STATE <b>KS</b>	COUNTY <b>WAGON</b>
PSL DEPARTMENT <b>CEMENT</b>	CUSTOMER REP / PHONE <b>JIM BIRLOWE</b>
API / UWI #	JOB PURPOSE CODE <b>CRG 8 1/8 SURFACE</b>

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT</b>
MBU ID / EMP # <b>4124 12573</b>	EMPLOYEE NAME <b>JOHN WOODROW</b>
LOCATION <b>LIBERAL KS</b>	COMPANY <b>ANADARKO PET</b>
TICKET AMOUNT	WELL TYPE <b>02</b>
WELL LOCATION <b>S. FERRITA</b>	DEPARTMENT <b>CEMENT</b>
LEASE / WELL # <b>114 R-2</b>	SEC / TWP / RNG <b>4-34S-39W</b>

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
<i>John Woodrow</i>	<i>11.77</i>						
<i>Jim Birlowe</i>							

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1330							JOB READY
	0730							CALLED OUT FOR JOB
	1215							PUMP TRUCK + BULK CMT ON LOCATION
	1220							RIG HAS HOLE CUT ON BOTTOM CIRCULATING
	1230							CALL FOR CAT TO GET EQUIP ON LOCATION
	1230							TRIP OUT DRILL PIPE
	1335							START RUNNING 8 1/8 CSC + FIT EQUIP
	1400							CASING ON BOTTOM 55'
	1410							HOOK UP 8 1/8 P/C + CIRCULATING TRAIL
	1410							START CIRCULATING WITH RIG PUMP
	1415							THROUGH CIRCULATING
								HOOK UP TO PUMP TRUCK
								JOB PROCEEDING
	1417	6.0	57	1		0/100		START MIXING TO SET LEAD AT 11.1' GAL
	1425	5.8	74	1		72		MIX 100% TAIL CMT AT 11.1' GAL
	1430		76					THROUGH MIXING CMT 1 CMT DOWN
								REMOVE PLUG / START TRIP
								HAVE 5' HOLE AND HOLE END CMT RETURN TO SURFACE
	1438		34.0	1		1070		PLUG DOWN REMOVE STAIN
								START MIXING
<span style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;">Circulated 28 BBL 46 SPS TO PLUG</span>								
THANK YOU FOR RECEIVED MAR 25 1978								





JOB LOG 4239-5

TICKET # 151871	TICKET DATE 10/27
BDA / STATE Kansas	COUNTY Sedgewick
PSL DEPARTMENT Crew 17	CUSTOMER REP / PHONE
API / UWI #	JOB PURPOSE CODE 035

REGION North America	NWA/COUNTRY
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

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	
	1100							Called out Packer 15:00
	1330							Get into Rig (O.O.P)
	1344							Rel up Casing
	1605							Start Log
	1745							Csg on Bottom
	1755							Circulate w/ Rig
	1807		4					Plug Rat Hole
	1815		3					Plug Mouse Hole
	1823							Hook to well
	1830	3.7	26			150		START PRODUCTION 2000 H <sub>2</sub> O, 11.8005 Sp. Grav. Fluid, 2000 H <sub>2</sub> O
	1837	4	13.6			300		START LEAD CONT @ 11.1 H <sub>2</sub> O
	1851	5.25	46.3			50		START TAIL CONT @ 12.9 H <sub>2</sub> O
	1859					VAC		Start Pump
	1901					0		WASH Packer & Lines to Pst / Pump 5.0000 Sp. Gr.
	1903	4.1	70.13			0		START H <sub>2</sub> O Displacement
	1916	2	10			700		Start Pore
	1921					800		Plug Pump
	1921					2750		PRESSURE TEST Csg x.11
	1924					2750		RELEASE PRESSURE FLOW
	1930					0		Job Complete
								THANK YOU FOR CALLING HALLIBURTON ROBERT, EDGEE, JEFF
								Cost Circulated to Pump CARRIS OSHS
								CONTACT TO SCHEDULE PUMP

MAR 25 11