

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- 129-20753-0001  
County MORTON  
Sec. 1 Twp. 33S Rge. 41 X W

Operator: License # 4549

4030 Feet from S/X (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

4030 Feet from E/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 DUNKLE "A" Well # 2

Purchaser: ANADARKO ENERGY SERVICES

Field Name SANTA FE TRAIL

Operator Contact Person: SHAWN D. YOUNG

Producing Formation TOPEKA, CHEROKEE, L. MORROW

Phone (316) 624-6253

Elevation: Ground 3410 KB

Contractor: Name: NA

Total Depth 5442 PBDT 5247

License: NA

Amount of Surface Pipe Set and Cemented at 1482 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
Re-Entry X Workover

If yes, show depth set \_\_\_\_\_ Feet

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

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover:

Drilling Fluid Management Plan Re-work, 8-27-98 uc.  
(Data must be collected from the Reserve Pit)  
NOT APPLICABLE

Operator: ANADARKO PETROLEUM CORPORATION

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Well Name: DUNKLE A-2

Dewatering method used \_\_\_\_\_

Comp. Date 6-29-85 Old Total Depth 5442

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

X Deepening X Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
X Plug Back 5247 PBDT  
X Commingled Docket No. PENDING  
Dual Completion Docket No. \_\_\_\_\_  
Other (SWD or Inj?) Docket No. \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

5-31-98 -- 6-11-98

Quarter Sec. Twp. S Rng. E/W

Start of workover. Spud Date of \_\_\_\_\_ 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.

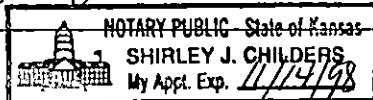
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Shawn D. Young  
SHAWN D. YOUNG  
Title DIVISION PRODUCTION ENGINEER Date 8/19/98

Subscribed and sworn to before me this 19th day of August 1998.

Notary Public Shirley J Childers

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 DUNKLE "A" Well # 2  
 Sec. 1 Twp. 33S Rge. 41  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:

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum

SEE ATTACHED ORIGINAL ACO-1

** Original Completion 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"	24.0	1482	POZMIX COMMON	500 200	3% CaCl 3% CaCl
** PRODUCTION	7-7/8"	4-1/2"	10.5	5441	POZMIX LITEWATE POZMIX	400 100 200	.75% CFR-2 .75% CFR-2 10% SALT

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
4	(TOPEKA) 3138-3147	ACID: (TOPEKA) W/ 900 GAL 15% HCL	3138-3147

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	4993		

Date of First, Resumed Production, SWD or Inj. RESUMED: 6-9-98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water TR	Gas-Oil Ratio	Gravity
	0	764			

Disposition of Gas:

Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perforated  Dually Comp.  Commingled 3138-5092 O.A.  
 Other (Specify) \_\_\_\_\_

Production Interval

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: **Anadarko Production Company**  
 License / Lease No: **5469**  
 Name: **Anadarko Production Company**  
 Address: **Box 351**  
 City/State/Zip: **Liberal, Kansas 67901**  
 Purchaser: **To be determined**

Operator Contact Person: **Paul Galtin**  
 Phone: **(316) 624-6253**  
 Contractor: **License / Lease No: 5662**  
 Name: **Wakefield Oil Company**  
 Wellsite Geologist: **Jim Crawford**  
 Phone: **(405) 235-1147**

Designate Type of Completion:  
 New Well  
 Re-Entry  
 Workover  
 011  
 SMD  
 Temp Abd  
 Gas  
 Dry  
 If OKMO: old well info as follows:  
 Other (Core, Water Supply, etc.)  
 Inj  
 Delayed Comp  
 Well Name: .....  
 Comp. Date: .....  
 Old Total Depth: .....

Drilling Method:  
 Mud Rotary  
 Air Rotary  
 Cable  
 Spud Date: **4/26/85** Date Reached TD: **5/8/85** Completion Date: **6/29/85**  
 Total Depth: **5442** - **5369** (PAID)  
 Amount of Surface Pipe Set and Cemented at **1482** feet:  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: ..... feet  
 If alternate 2 completion, cement circulated from ..... feet depth to ..... SX cut

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-5-150 and 82-5-107 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 this form. See rule 82-5-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

Division of Water Resources, Permit # **785-471**  
 Source of Water:  
 Groundwater **4030** Ft. North from Southeast Corner of Section 41, Twp 33S, Rge 41, East West  
 Surface Water ..... Ft. North from Southeast Corner of Section 41, Twp 33S, Rge 41, East West  
 (Stream, pond etc.) ..... Ft. West from Southeast Corner of Section 41, Twp 33S, Rge 41, East West  
 Other (explain) .....  
 (purchased from city, R.H.D. #) .....

WATER SUPPLY INFORMATION

5280	4990	4620	4290	3960	3630	3300	2970	2640	2310	1980	1650	1320	990	660	330

Disposition of Produced Water:  Repressuring  Disposal  
 Docket # .....  
 Questions on this portion of the ACO-1 call: **Water Resources Board (913) 296-3717**  
 Division of Water Resources, Permit # **785-471**  
 (Note: Locate well in section plat below)  
 Lease Name: **Dunkle "A"**  
 Field Name: **Santa Fe Trail West Prospect**  
 Producing Formation: **Morrow & Cherokee**  
 Elevation: Ground **3410** Section Plat **341B**  
 4030 Ft. North from Southeast Corner of Section 41, Twp 33S, Rge 41, East West  
 4030 Ft. West from Southeast Corner of Section 41, Twp 33S, Rge 41, East West

Form KO-1 (7-84)

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Drillers Time Log Received

C  Drillers Time Log Received

Distribution

KCC

KGS

Plug

SMD/Rep

NSRA

Other

(Specify)

Date Commission Expires: **7-1-87**

Signature: **Paul Campbell**

Title: **Division Production Manager**

Date: **7/5/85**

Subscribed and sworn to before me this **9th** day of **July**, 1985

Notary Public: **Elizabeth J. Wagoner**

Seward County, Kansas

ORIGINAL

Operator Name **Anadarko Production Company** Lease Name **Dunkle "A" Well # 2**

Sec. **33S** Twp. **41** Rge. **41**  East  West County **Morton**

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

DST #1 5319-36 (St. Louis) 30-60-60-120, open with weak blow, recovered 120' muddy water; 190' water, NS. IHP 2601, PHP 2591, IFP 42-50, FSIP 1297, FFP 99-141, FSIP 1290.

Schlumberger ran Dual Induction SP w/GR and Compensated Neutron Lithodensity w/GR.

Formation Description

Log  Sample

Name	Top	Bottom
Surface Sand	0'	67'
Surface Sand & Clay	67'	370'
Redbed	370'	770'
Redbed & Gyp	770'	1045'
Gloretta Sand	1045'	1155'
Gyp	1155'	1300'
Redbed & Gyp	1300'	1473'
Anhydrite	1473'	1490'
Redbed	1490'	2315'
Shale	2315'	2525'
Shale & Lime	2525'	2660'
Lime & Shale	2660'	5442'
RTD	5442'	

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	24	1482	Pozmix	500	3% CaCl
Prod. 1st stage 2nd stage	7-7/8	4-1/2	10.5	5441	Lite-wate	200	3% CaCl
						50	75% CFR-2
					Lite-wate	50	75% CFR-2
					Pozmix	200	10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth.			
Shots Per Foot	Specify Footage of Each Interval Perforated						
2	5082-92	5076-80	5052-58	1000 gal 7-1/2% FEA + 40 BS	5052-92		
2	4530-34			800 gal 15% FE Acid	4530-34		
2	4290-94			800 gal 15% FE Acid	4290-94		
2	4290-94			800 gal 15% FE Acid	4290-94		
2	4290-94			800 gal 15% FE Acid	4290-94		
2	4290-94			800 gal 15% FE Acid	4290-94		
2	4290-94			800 gal 15% FE Acid	4290-94		
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2-3/8	4990	4990					
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other, (explain).....						
SO WOPL							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	0 bbls	Cherokee 971 MCFD	0 bbls		CFPB		
		Morrow 186 MCFD					

METHOD OF COMPLETION:  Perforation  Open Hole  Other (Specify) .....

Disposition of gas:  Vented  Sold  Used on Lease  Other (Specify) .....

Production Interval: 5052-92 Morrow; 4530-34 Cherokee

Dually Completed  Commingled