

FORM MUST BE TYPED

SIDE ONE

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: SCURLOCH PERMIAN CORPORATION

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: OWENS "A" 2

Comp. Date 11/07/95 Old Total Depth 5712'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled Docket No. 8965  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

09/26/96 NA 12/13/96

Date OF START OF WORKOVER Date Reached TD Completion Date OF WORKOVER

API NO. 15- 081-20930#001

County HASKELL

SPOT: 19' N & 180' E. OF \_\_\_\_\_ E  
\_\_\_\_\_ NE \_\_\_\_\_ NE \_\_\_\_\_ SE Sec. 16 Twp. 29S Rge. 34 X W

SHL 2319 Feet from (S)N (circle one) Line of Section

SHL 150 Feet from (E)W (circle one) Line of Section

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

Lease Name OWENS "A" Well # 2

Field Name EUBANK

Producing Formation U. MORROW & BASAL CHESTER (COMMINGLED)

Elevation: Ground 2974.2' KB --

Total Depth 5712' TMD, 5587' TVD PBTB 5652'

Amount of Surface Pipe Set and Cemented at 1810 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3237 Feet

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

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

Drilling Fluid Management Plan REWORK JPK 2-10-97  
(Data must be collected from the Reserve Pit)  
NOT APPLICABLE

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

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

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 John M. Dolan  
JOHN M. DOLAN

Title SENIOR TECHNICAL ASSISTANT Date 1/28/97

Subscribed and sworn to before me this 25<sup>th</sup> day of January 19 97.

Notary Public Freda L. Hinz

Date Commission Expires \_\_\_\_\_

FREDA L. HINZ  
Not. Public - State of Kansas  
My App. Expires 5-15-99

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)  
2-3-97

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name OWENS "A" Well # 2

Sec. 16 Twp. 29S Rge. 34  East County HASKELL  
 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 ORIGINAL ACO-1 - ATTACHED)

** 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	1810'	THRIFTY LITE/ CLASS C	50/160	2%CC, 1/4#/SK FLC/ SAME
** PRODUCTION	7-7/8"	5-1/2"	15.5	5707'	VERSASET/ 11PPG/14.5PPG	50/180	.6% HALAD 322, 5%KCL 1/4#SK FLC, .9% VERSASET/SAME
			** FO TOOL	3237'	MIDCON 2	60	NONE

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	5366-5392', 5326-5332', 5304-5316' (U. MORROW)		ACIDIZED: W/4600 GAL 15% HCL, 920 GAL XYLENE, 126 GAL REAXE 3000, + ADDITIVES	5316-5392' O.A.

TUBING RECORD	Size 2-3/8"	Set At 5540'	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. RESUMED: 12/10/96 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil 114 Bbls.	Gas 0 Mcf	Water 37 Bbls.	Gas-Oil Ratio 0	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 5304-5392' O.A.  Other (Specify) \_\_\_\_\_

COPY

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

API NO. 15-20930  
County HASKELL  
Spot: 19'H & 180'E of  
NE-NE SE Sec. 16 Twp. 29 Rge. 34 EX

Operator: License # 4549

SHL 2319 Feet from X(S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

SHL 150 Feet from EX (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 OWENS "A" Well # 2

Purchaser: NATIONAL COOPERATIVE REFINING ASSOCIATION

Field Name EUBANK

Operator Contact Person: J. L. ASHTON

Producing Formation CHESTER

Phone (316) 624-6253

Elevation: Ground 2974.2 KB --

Contractor: Name: NORSEMAN DRILLING INC.

Total Depth 5712 TMD, 5587 TVD PBDT 5652

License: 3779

Amount of Surface Pipe Set and Cemented at 1810 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? X Yes --- No

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

If yes, show depth set 3237 Feet

X Oil --- SWD --- SLOW --- Temp. Abd.  
--- 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  
(Data must be collected from the Reserve Pit)

Operator: \_\_\_\_\_

Chloride content 1400 ppm Fluid volume 700 bbls

Well Name: \_\_\_\_\_

Dewatering method used NATURAL EVAPORATION

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

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

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

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

9-12-95 9-27-95 11-07-95  
Spud Date Date Reached TD Completion Date

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 11/20/95

Subscribed and sworn to before me this 20th day of November, 19 95.

Notary Public L. Marc Harvey

Date Commission Expires \_\_\_\_\_

**L. MARC HARVEY**  
Notary Public - State of Kansas  
My Appl. Expires 6-12-99

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 OWENS Well # 2  
 Sec. 16 Twp. 29 Rge. 34  East  West County HASKELL

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: CNL-LDT, DIL, ML, SONIC, SBL-CCL-GR.

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top TMD	Datum
HEEBNER	3982	
TORONTO	4003	
LANSING	4064	
KANSAS CITY	4532	
MARMATON	4692	
MORROW	5250	
CHESTER	5426	
ST LOUIS	5638	

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	12.25	8.625	24	1810	THRIFTY LITE/ CLASS C	50/160	2%CC, 1/4#/SK FLC/SAME.
PRODUCTION	7.875	5.5	15.5	5707	VERSASET 11PPG /14.5 PPG.	50/180	.6% HALAD 322, 5%KCL, 1/4#/SK FLC .9%VERSASET/SAME.
			FO TOOL @	3237	MIDCON 2	60	NONE

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	5530-5536	ACID: 600 GAL 7-1/2% FEHCL 5530-5536'
4	5536-5541	ACID: 500 GAL 7-1/2% FEHCL 5536-5541' ACID: 200 GAL 7-1/2% KCL, 1500 GAL 3% HF & 12% HCL 5530-5541' FRAC: 1554 GAL NITRIFIED X LINKD GLD 2% KCL WTR & 4500# 20/40 SO.

TUBING RECORD Size 2-3/8 Set At 5518 Packer At \_\_\_\_\_  
 Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11-08-95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 107 Bbls. Gas \_\_\_\_\_ Mcf Water 3 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 Method of completion:  Open Hole  Perf.  Dually Comp.  Comingled  
 Other (Specify) \_\_\_\_\_ Production Interval 5530-5541

RECEIVED  
KANSAS CITY  
FEB -3 1997