

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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: NATIONAL COOPERATIVE REFINING ASSOCIATION

Operator Contact Person: G. B. SMITH

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

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: ANADARKO PETROLEUM CORPORATION

Well Name: OWENS A-3

Comp. Date 11-11-95 Old Total Depth 5720

Deepening Re-perf. Conv. to Inj/SWD

Plug Back 5580 PBT

Commingled Docket No. (PENDING)

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

11-11-97 -- 11-25-97

DATE OF START OF WORKOVER Date Reached TD **COMPLETION DATE OF WORKOVER**

API NO. 15- 081-20955-0002³

County HASKELL

NE Sec. 16 Twp. 29S Rge. 34 E W

171 Feet from S/N (circle one) Line of Section

475 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 # 3

Field Name EUBANK

Producing Formation U.CHESTER, BASAL CHESTER

Elevation: Ground 2979.1 KB _____

Total Depth 5720 PBT 5580

Amount of Surface Pipe Set and Cemented at 1806 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3193 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REWORK JK 4-24-98
(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 Shawn D. Young
SHAWN D. YOUNG

Title DIVISION PRODUCTION ENGINEER Date 3/10/98

Subscribed and sworn to before me this 10th day of March 1998.

Notary Public Shirley J Childers

Date Commission Expires _____

NOTARY PUBLIC - State of Kansas
SHIRLEY J. CHILDERS
My Appt. Exp. 11/14/98

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)
RECEIVED
KANSAS CORP. CO.
3-13-98

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name OWENS "A" Well # 3

Sec. 16 Twp. 29S 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:

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	1806	MIDCON 2/ PREMIUM PLUS	340/ 160	2% CC, 1/4#/SK FLC
** PRODUCTION	7-7/8"	5-1/2"	15.5	5655	VERSASET 11PPG / 14.5 PPG	50/ 160	.6% AHLAD 322, 5%KLC 1/4#/SK FLC, .9% VERSASET
			F.O. TOOL @	3228	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
2	5342-5376 (U. CHESTER)	ACID:W/ 1700 GAL 7.5% HCL+ADDITIVES.	5342-5376
	CIBP @ 5580	FRAC'D:W/14000 GAL 30# X-LINKED GEL 2% KCL WTR + 54000# 16/30 SMD.	5342-5376
4	5530'-5544'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	5497		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. RESUMED: 11-21-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	105	225	6	2142.8751	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 5342-5496 OA Other (Specify)

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

API NO. 15- _____ 20955

County HASKELL
Spot: 489'N & 185'E of
_____ - C - NE - NE Sec. 16 Twp. 29 Rge. 34 X E

SHL 171 Feet from NX (circle one) Line of Section
SHL 475 Feet from EX (circle one) Line of Section

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

Lease Name OWENS "A" Well # 3

Field Name EUBANK

Producing Formation CHESTER

Elevation: Ground 2979.1 KB --

Total Depth 5752 TMD, 5650 TVD PBTD 5687

Amount of Surface Pipe Set and Cemented at 1806 Feet

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

If yes, show depth set 3193 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 5900 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351 **ORIGINAL**

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NATIONAL COOPERATIVE REFINING ASSOCIATION

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING INC.

License: 3779

Wellsite Geologist: NA

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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

8-21-95 9-04-95 11-11-95
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 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

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

Date Commission Expires _____

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug
	NGPA Other (Specify)

Form ACO-1 (7-91)

RECEIVED
KANSAS CORP COM
NOV 23 12:51

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name OWENS "A" Well # 3

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.

CORE DESCRIPTION ATTACHED.

Log Sample

Formation (Top), Depth and Datums

Name	Top TMD	Datum
B/STONE CORRAL	1816	
CHASE	2510	
COUNCIL GROVE	2847	
HEEBNER	3988	
LANSING	4068	
MARMATON	4686	
MORROW	5234	
CHESTER	5402	
ST LOUIS	5702	

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	12.25	8.625	24	1806	MIDCON 2/ PREMIUM PLUS	340/160	2%CC, 1/4#/SK FLC/SAME.
PRODUCTION	7.875	5.5	15.5	5728	VERSASET 11PPG /14.5 PPG.	50/160	.6% HALAD 322, 5%KCL, 1/4#SK FLC .9%VERSASET/ SAME.
			FO TOOL @	3193	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	5530-5544	ACID: 1400 GAL 7-1/2% FEHCL	5530-5544'

TUBING RECORD

Size 2-3/8	Set At 5525	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. 11-08-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 30 Bbls.	Gas 330 Mcf	Water 5 Bbls.	Gas-Oil Ratio 11000	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 5530-5544