

FORM MUST BE TYPED

SIDE ONE

6-24-98

ORIGINAL

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

RECEIVED
KANSAS CORPORATION COMMISSION

API NO. 15- 129-21136 0001
County MORTON

SW - SE - NE - NW Sec. 27 Twp. 34S Rge. 43 X E/W

Operator: License # 4549

1250 35 Feet from (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

2200 Feet from (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 USA "AB" Well # 1

Purchaser: ANADARKO ENERGY SERVICES

Field Name GREENWOOD

Operator Contact Person: SHAWN D. YOUNG

Producing Formation TOPEKA, WABAUNSEE

Phone (316) 624-6253

Elevation: Ground 3476 KB _____

Contractor: Name: NA

Total Depth 2980 PBDT 2810

License: NA

Amount of Surface Pipe Set and Cemented at 1190 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? Yes X No _____

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

If yes, show depth set _____ Feet

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.

If Alternate II completion, cement circulated from _____

X Gas _____ ENHR _____ SIGW

feet depth to _____ w/ _____ sx cmt.

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

Drilling Fluid Management Plan Re-work, 7-8-98 U.C.
(Data must be collected from the Reserve Pit)
NOT APPLICABLE

If Workover:

Chloride content _____ ppm Fluid volume _____ bbls

Operator: ANADARKO PETROLEUM CORPORATION

Dewatering method used _____

Well Name: USA AB-1

Location of fluid disposal if hauled offsite: _____

Comp. Date 8-16-92 Old Total Depth 2980

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

Operator Name _____

X Plug Back 2810 PBDT

Lease Name _____ License No. _____

_____ Commingled Docket No. _____

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

_____ Dual Completion Docket No. _____

County _____ Docket No. _____

_____ Other (SWD or Inj?) Docket No. _____

5-20-98 Spud Date --- Date Reached TD 6-7-98 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 Shawn D. Young
SHAWN D. YOUNG
Title DIVISION PRODUCTION ENGINEER Date 6/22/98

Subscribed and sworn to before me this 22nd day of June 19 98.
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)

X

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA "AB" Well # 1

Sec. 27 Twp. 34 Rge. 43 East West County MORTON

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum SEE ATTACHED ORIGINAL ACO-1
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** 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	1190	POZMIX COMMON	550	4% TOT GEL 2% CC 2%CC
** PRODUCTION	7-7/8"	5-1/2"	15.5	2980	POZMIX COMMON	200	6% TOT GEL 1/4# SK FLOCELE, 5#/SK GILSONITE

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	2504-2512, 2550-2556, 2606-2612 (WABAUNSEE)	ACID: (WABAUNSEE) W/ 2200 GAL 15% FeHCl	2504-2612

TUBING RECORD	Size 2-3/8	Set At 2782	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: 5-29-98	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas 158 Mcf	Water 20 Bbls.	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 2504-2771 O.A.

Other (Specify) _____

COPY

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

API NO. 15-129-21,136-000

County Morton

SW - SE - NE - NW Sec. 27 Twp. 34S Rge. 43 E

Operator: License # 4549

1250 Feet from S/N (circle one) Line of Section
2200 Feet from E/W (circle one) Line of Section

Name: Anadarko Petroleum Corporation

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

Address: P. O. Box 351

Lease Name USA "AB" Well # 1

City/State/Zip Liberal, Kansas 67905-0351

Field Name Greenwood

Purchaser: Panhandle Eastern Pipe Line Company

Producing Formation Topeka

Operator Contact Person: J. L. Ashton

Elevation: Ground 3475.6 KB NA

Phone (316) 624-6253

Total Depth 2980 PBD 2810

Contractor: Name: Gabbert-Jones, Inc.

Amount of Surface Pipe Set and Cemented at 1190 Feet

License: 5842

Multiple Stage Cementing Collar Used? Yes No

Wellsite Geologist: NA

If yes, show depth set _____ Feet

Designate Type of Completion

If Alternate II completion, cement circulated from _____

New Well Re-Entry Workover

feet-depth to _____ w/ _____ sx cnt.

Oil SVD SIOW Temp. Abd.

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

Gas ENHR SIGW

Chloride content 1100 ppm Fluid volume 700 bbls

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

Dewatering method used natural evaporation

If Workover/Re-Entry: old well info as follows:

Location of fluid disposal if hauled offsite: _____

Operator: _____

Operator Name _____

Well Name: _____

Lease Name _____ License No. _____

Comp. Date _____ Old Total-Depth _____

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

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

County _____ Docket No. _____

Plug Back _____ PBD _____

Commingle _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

7-14-92 7-21-92 8-16-92

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Beverly J. Williams
 Title Engineering Technician Date 8-28-92

Subscribed and sworn to before me this 28 day of August 1992.

Notary Public Cheryl Steers

Date Commission Expires _____

CHERYL STEERS
 Notary Public - State of Kansas
 My Appt. Expires 6-1-93

K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	Wireline Log Received	
C	Geologist Report Received	
Distribution		
_____	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____		_____ NGPA
_____		_____ Other
(Specify)		

Operator Name Anadarko Petroleum Corporation

Lease Name USA "AB" Well # 2880 L

Sec. 27 Twp. 34S Rge. 43 East West

County Morton

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 Datum Sample

Name	Top	Datum
B/Cimarron	1203	
T/Wabaunsee	2504	
T/Topeka	2711	
T/Topeka "C"	2818	
T/Greenwood/Lansing	2948	
TD	2980	

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.)	Wt Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24#	1190	Pozmix Common	550	4% tot gel 2% cc
Production	7.7/8	5 1/2	15.50#	2980	Pozmix Class "H"	200	5% tot gel 1/4#/sk flocele 10% salt 1/4#/sk flocele, 5#/sk gilsonite.

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	
6	2955-60		A/700 gals 15% fe acid. Sqz perfs w/50 sxs LWL cnt.	2955-60
6	2818-2834		A/200 gals 15% fe acid/ft. Sqz w/50 sxs LWL cnt.	2818-34
6	2746-52, 2770-76		Sqzd w/50 sxs LWL + 50 sxs Class "H"	2746-52 2770-76
6	2710-2771		A/200 gals 15% fe acid in 2' intervals. Total acid 3400 gals.	2710-2771

TUBING RECORD Size 2 3/8 Set At 2708 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. SI WO Pipeline Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil _____ Bbls. Gas 300 Mcf Water _____ 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. Commingled Other (Specify)

Production Interval 2710-2771 O.A.