

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

COPY

API NO. 15- 129-21,255 **CONFIDENTIAL**
County Morton
- C - SE - SE Sec. 20 Twp. 34S Rge. 43 X ^E _W

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: Panhandle Eastern Pipe Line Co.

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 S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: RELEASED

Well Name: _____

Comp. Date _____ Old Total Depth JUN 2 8 1995

Deepening Re-per PBT
 Plug Back Docket No. _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1/20/94 2/9/94 4/17/94
Spud Date Date Reached TD Completion Date

660 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name USA "AE" Well # 1

Field Name Interstate Field

Producing Formation Upper Morrow

Elevation: Ground 3474.3 KB _____

Total Depth 4991 PBD 4180

Amount of Surface Pipe Set and Cemented at 1204 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 cnt.

Drilling Fluid Management Plan ALT 1 JH 10-6-94
(Data must be collected from the Reserve Pit)

Chloride content 26,541 ppm Fluid volume 5000 bbls

Dewatering method used Natural Evaporation

Location of fluid disposal if hauled offsite: _____

RECEIVED
KANSAS CORPORATION COMMISSION

Operator Name _____ License No. KCC

Lease Name _____ License No. _____

MAY 12 1994
Quarter Sec. Twp. S 11 E W

County CONSERVATION DIVISION No. CONFIDENTIAL
WICHITA, KS

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 Leslie I. Barnes

Title Sr. Technical Assistant Date 5/9/94

Subscribed and sworn to before me this 9th day of May 19 94.

Notary Public C Cheryl Steers

Date Commission Expires _____
CHERYL STEERS
Notary Public - State of Kansas
My Appl. Expires 6-1-97

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

Operator Name Anadarko Petroleum Corporation Lease Name USA "AE" Well # 1

Sec. 20 Twp. 34S Rge. 43 East West
 County Morton

Y900

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	2634	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Greenwood Lansing	2880	
		Lansing	3046	
		Upper Morrow	4054	
		Lower Morrow	4420	

List All E.Logs Run:
 DST #1, 4054-4063' (Morrow A) 30,60,30,120'
 Gas to surface in 6 min. IHP 1918, 1st Flo.
 990 to 1086, 1st SI 1278. 2nd Flo. 958 to 1086, FSI 1241, GHP 1918, Rec. 258' Saltwater.

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	1204	50/50 Pozmix Common	200 200	4% gel 2% cc 2% cc
Production	7 7/8	5 1/2	15.5	4512	66/35 Pozmix Class "C"	50 125	1#/sx Flocele, 10% 5% Salt, 6 Halad 22
Conductor	15"	13 3/8"		503'	Class "C"	105	5#/sx Gilsomite, 1% 2% Diacel "D", 2% Car

ADDITIONAL CEMENTING/SQUEEZE RECORD 50/50 Poz 375 1#/sx Flocele

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	4420-4426	A/Perfs in 21 Int w/100gal 7% FEHCL 10% ACID 600 gal, H. w/15 gal 2% KCL wtr
4	4054-4063	
	CIBP @ 4180	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8	4053			
Date of First, Resumed Production, SWD or Inj.		Producing Method				
4/12/94		<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.
			1015		3	
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: 4054-63

ORIGINAL

CONFIDENTIAL

NORSEMAN DRILLING, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

WELL NAME: USA AE-1
SECTION 20-34S-43W
MORTON COUNTY, KANSAS API # 15-129-21255
COMMENCED: JANUARY 20, 1994
COMPLETED: FEBRUARY 12, 1994
OPERATOR: ANADARKO PETROLEUM CORPORATION

RELEASED

JUN 2 8 1995

FROM CONFIDENTIAL

Depth From	To	Formation	Remarks
0	750	Sand & Redbed	Ran 11 jts of
751	920	Glorietta Sand	13 3/8" csg set @
921	1995	Redbed & Shale	503'; w/375 SX of
1996	5000	Lime-Shale	50/50 pozmix; 4% D-20; 2% SI; 1/4# SX D-2; Tailed with 100 SX Class H; 2% SI; Plug down at 9:00 p.m. on 1/26/94.

KCC
MAY 11
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 12 1994

CONSERVATION DIVISION
WICHITA, KS

Ran 28 jts of 24#
8 5/8" csg set @
1204'; w/200 SX of
50/50 pozmix; 2% CC;
1/4# SX Floceal;
Tailed with 200 SX
50/50 Common; 2% CC;
1/4# SX Floceal;
Plug down at 11:15
p.m. on 1/30/94.

Ran 103 jts 5 1/2" 15.5#, Set @ 3512'; Cement w/50 SX
65/35 pozmix; 1/4# SX Floceal; 1st Stage: 125 SX Class
C; 10% E.A. #2; 15% Salt; .06% Halad; 5# SX
Oilsonite; 1% CC; 2nd Stage: 105 SX Class C; 20%
Diacel D; 2% CC; 1/4# SX Floceal; Plug down at 3:30
p.m., on 02/11/94

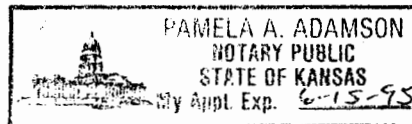
STATE OF KANSAS)I, the undersigned, being duly sworn on
)oath, state that the above Drillers' Well
)Log is true and correct to the best of my
)knowledge and belief and according to the COUNTY OF SEDGWICK
)records of this office.

NORSEMAN DRILLING, INC.

James P. Reilly
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

March 9, 1994



My Appointment Expires:

June 15, 1995

Pamela A. Adamson
Pamela A. Adamson, Notary Public
340 Seville
Wichita, KS 67209