

ORIGINAL

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

ORIGINAL

API NO. 15- 129-10474-0001
County MORTON
C - N/2 - N/2 - SE Sec. 14 Twp. 33 Rge. 43 X W

Operator: License # 4549

2460 Feet from (S)X (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1336 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 FRIEND Well # 1-14

Purchaser: ANADARKO ENERGY SERVICES

Field Name GREENWOOD

Operator Contact Person: SHAWN D. YOUNG

Producing Formation WABAUNSEE, TOPEKA

Phone (316) 624-6253

Elevation: Ground 3581 KB _____

Contractor: Name: NA

Total Depth 3220 PBDT 3202

License: NA

Amount of Surface Pipe Set and Cemented at 600 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 DWVO, 10-19-98 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: FRIEND 1-14

Location of fluid disposal if hauled offsite:

Comp. Date 6-22-55 Old Total Depth 3220

_____ Deepening X 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. _____

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

County _____ Docket No. _____

8-3-98 --- 8-11-98

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 Shawn D. Young

SHAWN D. YOUNG

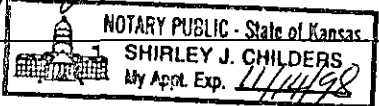
Title DIVISION PRODUCTION ENGINEER Date 10/12/98

Subscribed and sworn to before me this 13th day of October

19 98

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)



SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name FRIEND Well # 1-14

Sec. 14 Twp. 33 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 Datums Sample Name Top Datum

SEE ATTACHED DRILLERS LOG

** 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"	10-3/4"		600	POZMIX	325	
** PRODUCTION		7"		3220	POZMIX	325	

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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	4	2650-2662, 2666-2673, 2676-2683		ACID W/ 2800 GAL 15% HCL

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	3161		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method			
RESUMED: 8-7-98	<input type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	278	3	--	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 3650-3196 OA Other (Specify) _____ Production Interval _____

DRILLER'S LOG

ORIGINAL

15-129-10474-0001

WELL NAME Friend # 1-14
WELL LOCATION 1236' Fr E & 2460'
Fr 3 lines of
Sec. 14-32-43

COMPANY Panhandle Eastern Pipeline Co.
CONTRACTOR Moran Brothers, Inc.
ELEVATION 3583.01'

COUNTY Morton STATE Kansas
72/20 OF AFTER ACID 33, 885 MCF
ROCK PRESSURE 387 LBS
SOURCE OF DATA Driller's Report

DRILLING COMMENCED 5-26-55
DRILLING COMPLETED 6-7-55
WELL COMPLETED 6-22-55
WELL CONNECTED 8-6-55

ROTARY LOG

<u>DESCRIPTION OF FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Surface Soil	0	40
Clay, Sand and Gyp	40	220
Red Bed and Sand	220	255
Red Bed and Red Rock	255	390
Red Bed and Sand	390	490
Red Bed and Gyp	490	565
Sand and Red Bed	565	580
Red Bed	580	645
Set 10-3/4" OD Casing at 690' with 325 sacks of Pozmix cement. Cement was circulated.		
Red Bed and Gyp	645	985
Red Bed, Gyp and Sand Streaks	985	1160
Red Bed and Gyp	1160	1305
Shale and Gyp	1305	1560
Shale and Shells	1560	1740
Shale and Anhydrite	1740	1840
Shale and Gyp	1840	2355
Shale, Gyp and Lime	2355	2430
Lime and Shale	2430	3210
Lime	3210	3225

Set 7" OD Casing @ 3220' with 325 sacks of Pozmix cement.

<u>FORMATION TOPS</u>	
Wabaunsee	2633
Topeka	2870
Lansing	3118

<u>PERFORATIONS</u>	
Perforated	3163-69
	3149-60
	3126-42
	3004-15
	2952-57
	2945-49
	2931-42
	2911-16
	2896-2904

WELL TREATMENT RECORD

Acidized on 6-12-55 with 6000 gallons of 15% acid.
Acidized on 6-14-55 with 6000 gallons of 15% acid.
Acidized on 6-15-55 with 8000 gallons of 15% acid.