

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

Operator: License # 4742  
Name: Texaco E&P, Inc.  
Address P. O. Box 2700  
Pampa, Texas 79066-2700  
City/State/Zip \_\_\_\_\_

Purchaser: Colorado Interstate Gas

Operator Contact Person: J. M. Barnum

Phone 806 ) 665-1876

Contractor: Name: H-40

License: 30692 **FEB 4**

Wellsite Geologist: John Connor

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

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

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

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

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

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

8-8-92 8-15-92 8-31-92  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21261-0000 **ORIGINAL**

County Seward

SW- NW- NW Sec. 14 Twp. 31S Rng. 32 E  
XV

990 Feet from SW (circle one) Line of Section

990 Feet from E (circle one) Line of Section

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

Lease Name F. Richardson Well # 1

Field Name 31 SW

Producing Formation Morrow

Elevation: Ground 2845 KB 2857

Total Depth 5800 PSTD 5758

Amount of Surface Pipe Set and Cemented at 1634 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3119 Feet

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

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ ex cat.

Drilling Fluid Management Plan 2-18-92  
(Date must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used Evaporation

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

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

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

Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. 1994

**CONFIDENTIAL**

**RELEASED**

**FROM CONFIDENTIAL**

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.

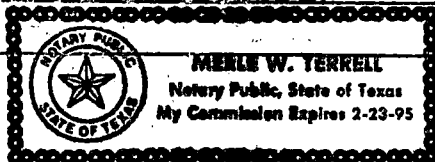
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature J. M. Barnum  
Title Area <sup>MANAGER</sup> Coordinator Date 2/4/93

Subscribed and sworn to before me this 5<sup>th</sup> day of February, 19 93.

Notary Public Merle W. Terrell

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



2-8-93  
K.C.C. OFFICE USE ONLY  
F \_\_\_\_\_ Letter of Confidentiality Attached  
C \_\_\_\_\_ Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received  
STATE CORPORATION COMMISSION  
RECEIVED  
Distribution  
 KCC \_\_\_\_\_ SUD/Rep \_\_\_\_\_ NGPA  
 KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other (Specify) \_\_\_\_\_  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Texaco E&P, Inc. Lease Name F. Richardson Well # 1  
 Sec. 14 Twp. 31S Rge. 32 County Seward  
 East  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:  
 Compensated Neutron Dipmeter  
 Dual Induction - SFL  
 Microlog

Log Formation (Top), Depth and Returns  Sample  
 Name Top Datum  
 See Attachment

CASING RECORD <input 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	12,250	8-5/8"	24#	1634	See Attachment		
Production	7,875	5-1/2"	15.5#	5800	See Attachment		

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)	
		Amount	Depth
4	5462-74', 5449-52'	Frac with 19,162 gals. 65Q	
		CO2 Foam, 2000# 100 mesh	
		sand, 24,800# 20/40 sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run				
		2-7/8"		5325'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SUD or Inj.				Producing Method					
2/2/93				<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	Bble.	Gas	Mcf	Water	Gals.	Gas-Oil Ratio	Gravity
				2,000					

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Conmingled  Other (Specify)

Production Interval \_\_\_\_\_

RELEASED

MAR 11 1994

F. RICHARDSON #1  
API #15-175-21,261  
SW/NW/NW Sec. 14-T31S-R32W  
SEWARD CO. KANSAS

FROM CONFIDENTIAL 4

CONFIDENTIAL

SURFACE CASING CEMENT: HALLIBURTON INVOICE #216867

LEAD 460 SKS. PREM. LITE, W/2% CCL.

TAIL 150 SKS. PREM. PLUS, W/2% CCL. AND  
1/4#/SX. FLOCELE CEMENT CIRC. TO SURFACE.

PRODUCTION CASING CEMENT: HALLIBURTON INVOICE #250709

STAGE #1 130 SKS. 50/50 POZ, 10#/SX GILSONITE,  
1/4#/SX. FLOCELE.

STAGE #2 325 SKS. CLASS C 6/10% HALAD 322, 2% CCL.,  
1/4#/SX. FLOCELE.

FORMATION DESCRIPTION

Wellington	2122	Heebner	4179
Hutchinson	2222	Toronto	4194
Hollenberg	2614	Lansing	4289
U. Krider	2640	Marmaton	4903
L. Krider	2666	Cherokee	5073
Winfield	2712	Atoka	5192
Towanda	2759	Morrow	5370
Wreford	2919	Chester	5531
Council Grove	3010	St. Gen	5620
		St. Louis	5708

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 8 1993  
CONSERVATION DIVISION  
Wichita, Kansas

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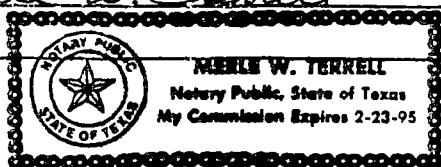
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1993.  
Notary Public Merle W. Terrell  
Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received 2-8-1993  
Distribution  
 KCC  SWD/Rep.  NGPA  
 KGS  Plug  other  
(Spec) 1993  
RECEIVED  
STATE CORPORATION COMMISSION  
KANSAS