

COPY

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

2nd

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

Tractor: Name: H-40

License: 30692

Wellbore Geologist: John Connor

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Designate type of Completion

- New Well
 - Re-Entry
 - Workover
- Oil
 - Gas
 - Dry
 - SVD
 - ENHR
 - Other (Core, WSV, Expl., Cathodic, etc)
 - S10W
 - S15W
 - Temp. Abd.

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

- Deepening
- Plug Back
- Commingled
- Dual Completion
- Other (SVD or Inj?)
- Re-perf.
- Conv. to Inj/SVD
- PSTD
- Bucket No. _____
- Bucket No. _____
- Bucket No. _____

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

API NO. 15- 175-21261

County Seward

SW-NW-NW Sec. 14 Twp. 31S Rge. 32 XU

990 Feet from S/W (circle one) Line of Section

990 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 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? XX Yes No

If yes, show depth set 31.19 Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ ex cat.

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

Chloride content 10,000 ppm Fluid volume _____ bbls

Desulfuring method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____ **RELEASED**

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. 31S Rge. 32 XU

County _____ **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 7 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.

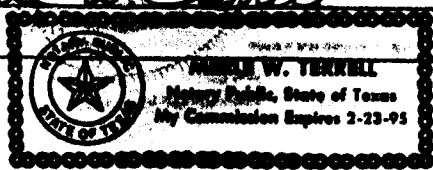
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature J. M. Barnum
 Title Area Manager Date 2/4/93

Subscribed and sworn to before me this 5th day of FEBRUARY 19 93.

Notary Public Merle W. Terrell

Date Commission Expires _____



RECEIVED
 STATE CORPORATION COMMISSION
 FEB 8 1993

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC

KOB

SVD/KOB

Plug

WICHITA, KANSAS

(Specify)

Operator Name TEXACO E&P, INC. Lease Name F. Richardson Well # 1

Sec. 14 Twp. 31S Rge. 32 East County Seward 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
Dual Induction - SFL
Microlog

Dipmeter

Log Formation (Top), Depth and Datum Sample Name Top Datum

See Attachment

CASING RECORD New Used

Report all strings out-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	# Seals 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:	Top Bottom	Type of Cement	#Seals Used	Type and Percent Additives
Perforate				
Protect Setting				
Plug Back TD				
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	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	Pecker At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"		5325'	

Date of First, Resumed Production, SMD or Inj. 2/2/93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
			2,000					

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

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

Production Interval _____

COPY 14-31-32w

FEB 4

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

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

RELEASED

FEB 11 1994

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

FEB 8 1993

CONSERVATION DIVISION
Wichita, Kansas