

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

API NO. 15-151-20,181-A  
County Pratt  
C.S.W. SW. SE. Sec. 25. Twp. 28S Rge. 14 East  
X West

Operator: License # 3536  
Name RAMCO Drilling Service, Inc.  
Address P.O. Box 99  
City/State/Zip Belton, OH 45714

330 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Texaco

Lease Name Hertlein Well # 1

Field Name Early North

Operator Contact Person David Gacke  
Phone (614) 423-9591

Producing Formation Viola

Elevation: Ground 1981 KB 1986

Contractor: License # 5422  
Name Abernombie Drilling, Inc.

Wellsite Geologist  
Phone

Designate Type of Completion  
New Well X Re-Entry Workover

X Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc)

If OWNED: old well info as follows:  
Operator Edmiston Oil Company  
Well Name Hertlein #1  
Comp. Date 9/30/71 Old Total Depth 4544'

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 7 1988  
10-7-88  
CONSERVATION DIVISION  
Wichita, Kansas

Section Plat

Grid showing section plat with elevations on the right side ranging from 5280 to 330.

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water: T 88-429  
Division of Water Resources Permit #

X Groundwater 440 Ft North from Southeast Corner  
(Well) 2300 Ft West from Southeast Corner of  
Sec 25 Twp 28S Rge 14 East X West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain)  
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
8/02/88 8/03/88 08/08/88  
Spud Date Date Reached TD Completion Date  
4544' 4515'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 406 feet  
Multiple Stage Cementing Collar Used? Yes No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to SX cmt  
Cement Company Name  
Invoice # BITI

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 [Signature]  
Title V.P. / Engr Date 9-21-88

Subscribed and sworn to before me this 21st day of September 1988  
Notary Public James E. Blair  
James E. Blair, Notary Public  
State of West Virginia  
My Commission Expires April 7, 1994

K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other (Specify)  
10-7-88

Sec 25 Twp 28S Rge 14 E

SIDE TWO

Operator Name ..... RAMCO Drilling Service Inc ..... Lease Name ..... Hertlein ..... Well # ..... 1 .....

Sec. .... 25 ..... Twp. .... 28S Rge. .... 14 .....  East  West County ..... Pratt ..... **RELEASED** .....

WELL LOG

MAR 07 1990

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail ~~FROM CONFIDENTIAL~~ 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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Heebner Shale	3759	(-1773)
Brn Ls	3943	(-1957)
Lansing/KS City	3965	(-1979)
Base/KS City	4319	(-2333)
Miss	4427	(-2441)
Viola	4466	(-2480)
Simp Sh	4504	(-2518)
Simp SS	4522	(-2536)

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.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"		406'	N/A	300	N/A
Production	7-7/8"	5 1/2"	15.5	4533'	HowcoLite	60/75	1/4# Flocele, 10% salt, 1% Halad 322, 1/4# Flocele.

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4470-4480'	Acidized with 250 gal. 7 1/2% HF, 750 gal. 15% HF, 50 gal. 3% HF. Frac. with 150 sks. 20/40, 50 sks 12/20, 29,800 gal water	

TUBING RECORD

Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2-3/8"	4463			

Date of First Production 8/20/88

Producing Method  Flowing  Pumping  Gas Lift  Other (explain) .....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	13 Bbls	MCF	55 Bbls	CFPB	34

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 4470-4480'  
 Used on Lease  Dually Completed .....  
 Commingled .....