

COPY

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

API NO. 15- 093-21291

County Kearny

NE SW SE Sec. 36 Twp. 25 Rge. 37 X ^E _V

1250 Feet from S/M (circle one) Line of Section

1720 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 Tate "B" Well# 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3053 KB 3065

Total Depth 2801 PBTD 2730

Amount of Surface Pipe Set and Cemented at 861 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sz cnt.

Drilling Fluid Management Plan AT1 JZ 3-31-94
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 4000 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. _____

Operator: License # 5398

Name: ARCO Oil & Gas Company

Address Box 1610

City/State/Zip Midland, TX 79702

Purchaser: CIG

Operator Contact Person: Ken W. Gosnell

Phone (915) 688-5672

Contractor: Name: Beredco, Inc.

License: 5147

Wellsite Geologist: Carl Lundgren

Designate Type of Completion
 New Well Re-Entry Workover

Oil SVD SIGV Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expi., 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/SVD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SVD or Inj?) Docket No. _____

9-8-93 9-11-93 11-18-93
Spud Date Date Reached TD Completion Date

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.

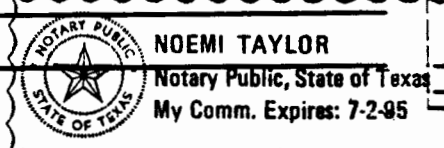
Signature [Signature] Date 12/21/93

Title Drilling Team Leader

Subscribed and sworn to before me this 21st day of December 1993.

Notary Public Noemi Taylor

Date Commission Expires 7-2-95



STATE OF KANSAS RECEIVED

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Geologist Report Received

Distribution

KCC SVD/Rep NGPA

KGS Plug Other (Specify)

Form ACO-1 (7-91)

Operator Name ARCO Oil & Gas Company Lease Name Tate "B" Well# 3
 Sec. 36 Twp. 25 Rge. 37 East County Kearny
 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	1760	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Chase	2391	
List All E.Logs Run:	Microlog	Krider	2410	
	PI-SFL	Winfield	2452	
	DAS	Towando	2501	
	CNL-LD	Lo Ft. Riley	2556	
		Florence	2606	
		Wreford	2650	
		Council Grove	2668	

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	12-1/4	8-5/8	24.0	861	C	500	2%CC+1/4#FC
Production	7-7/8	4-1/2	10.5	2801	C	550	2%CC+1/4#FC

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)	Depth
4	2391-2426, 2447-75, 2501-34, 2556-98	A w/5000 gals & frac w/ 236,400 gals & 505,265# sd.	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
None				
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-18-93				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	1380	0	N/a Gas 0.720

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: 2391-2598