

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-... 187-20433-00-00

Operator: License # 5398  
Name ARCO OIL AND GAS COMPANY  
Address Box 1610  
City/State/Zip Midland, Texas 79702

County Stanton  
SE NW NW Sec 36 Twp 28 Rge 39 East West

4035.96 Ft North from Southeast Corner of Section  
4066.30 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser ARCO OIL AND GAS COMPANY

Lease Name Fred Shore Well # 4

Operator Contact Person Ken W. Gosnell  
Phone 915/688-5672

Field Name Hugoton

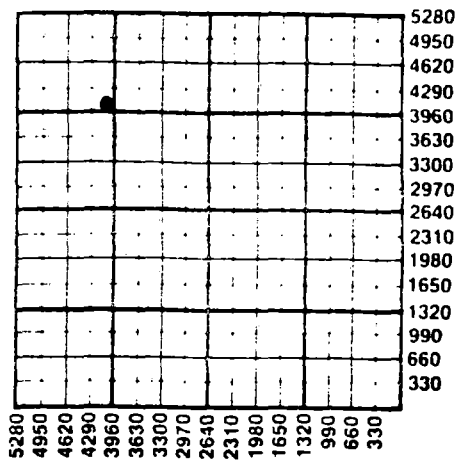
Producing Formation Chase

Contractor: License # 03098  
Name Exeter Drilling Co.

Elevation: Ground 3140 KB 3150

Wellsite Geologist  
Phone

Section Plat



Designate Type of Completion  
X New Well Re-Entry Workover

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

If OWG: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable

8-11-88 8-13-88 8-30-88  
Spud Date Date Reached TD Completion Date  
2800 2743  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 779 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T88-402

X Groundwater 4779 Ft North from Southeast Corner (Well) 100 Ft West from Southeast Corner of Sec 23 Twp 28 Rge 39 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. #)

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.

RECEIVED  
FEB 2 1989  
CONSERVATION DIVISION  
WICHTA, KANSAS

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.

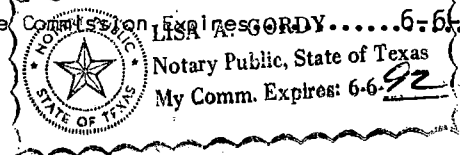
Signature Ken W. Gosnell

Title Engr. Tech Date 1-30-89

Subscribed and sworn to before me this 30 day of January 1989

Notary Public Lisa A. Gordy

Date Commission Expires 6-6-92



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other (Specify)  
2-2-89

Sec. 36 Twp. 28 Rge. 39W

SIDE TWO

Operator Name ..... ARCO OIL AND GAS COMPANY ..... Lease Name..... Fred Shore ..... Well # 4 .....

Sec. 36 ..... Twp. 28 ..... Rge. 39 .....  East  West County Stanton .....

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Glorieta Sand	1325	
Stone Corral	1650	
Chase	2335	
Krider	2365	
Winfield	2400	
Towando	2450	
Lower Ft. Riley	2515	
Florence	2555	
Wreford	2600	
Council Grove	2615	

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	24	779	C	500	2% CC, 1/4 lb FC
production	7-7/8	4-1/2	10.5	2800	C	720	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	2414-31, 2398-2048, 2365-84	A w/8900 gals.	
4	2358-63, 2334-54, 2461-2498	Frac w/5055 bbls & 557,000 lb sand	

TUBING RECORD Size Set At Packer at Liner Run  Yes  No  
 None

Date of First Production 12-13-88 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	1194 MCF	0 Bbls	NACFPB	Gas .720

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  
 Open Hole  Perforation  Other (Specify) ..... 2334-2498 .....

Dually Completed  Commingled