

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

Operator: License # 5398Name: ARCO Oil and Gas CompanyAddress P. O. Box 1610City/State/Zip Midland, TX 79702Purchaser: NAOperator Contact Person: Ken W. GosnellPhone (915) 688-5672Contractor: Name: H-30 Drilling, Inc.License: 5107Wellsite Geologist: Ben Francka

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☒ Dry ☐ Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

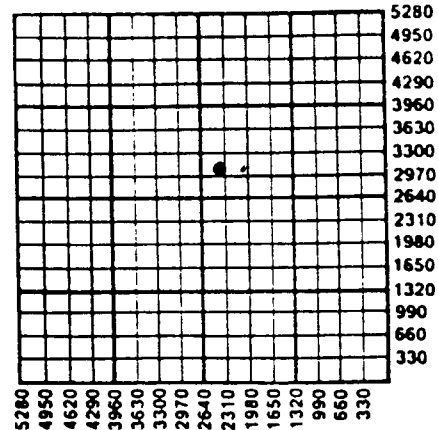
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable12-20-90 12-29-90 1-1-91

Spud Date Date Reached TD Completion Date

API NO. 15- 067-21112County GrantW/2 SW NE Sec. 31 Twp. 29S Rge. 38 ☒ East ☐ West3278.3 Ft. North from Southeast Corner of Section2310.9 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Elmer Johnson Well # 1Field Name Big BowProducing Formation NAElevation: Ground 3133' KB 3145'Total Depth 5800' PSTD _____Amount of Surface Pipe Set and Cemented at 1799 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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. GosnellTitle Regulatory Coordinator Date 5/8/91Subscribed and sworn to before me this 8th day of May, 1991.Notary Public Karla D. Thompson KARLA D. THOMPSON
Notary Public, State of TexasDate Commission Expires _____ My Comm. Expires: 11-2-92

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) IS

SIDE TWO

Operator Name ARCO Oil and Gas Lease Name Elmer Johnson Well # 1
 Sec. 31 Twp. 29S Rge. 38 ☐ East ☒ West
 County Grant

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.)

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Chase	2326	
Council Grove	2618	
Heebner	3809	
Morrow	5177	
Chester	5517	
St. Genivieve	5585	
St. Louis	5628	

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
Conductor		16"		44'	4 yards grout		
Surface	12-1/4"	8-5/8"	24#	1,799'	35-65 Poz Class C	750 150	6% gel 2% cc

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

		100 sx	5166
		100 sx	2673
		100 sx	2364
		50 sx	1802
		150 sx	744
		10 sx	40

TUBING RECORD

Size

Set At

Packer At

Liner Run

☐ Yes ☐ No

Date of First Production Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify) _____