

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

Operator: License # 05398

Name: ARCO Oil & Gas Company

Address Box 1610

City/State/Zip Midland, TX 79702

Purchaser: ARCO Oil & Gas Company

Operator Contact Person: Ken W. Gosnell

Phone (915) 688-5672

Contractor: Name: Triad Drilling

License: 07345

Wellsite 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: ARCO Oil & Gas Company

Well Name: Johnson Heirs #4

Comp. Date NA Old Total Depth 5802

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

9-23-90 10-3-90 11-15-90

Spud Date Date Reached TD Completion Date

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. Gosnell

Title Regulatory Coordinator Date 3-15-91

Subscribed and sworn to before me this 15th day of March, 91.

Notary Public Lisa A. Cordy

Date Commission Expires 6-6-92



Notary Public, State of Texas
My Comm. Expires: 6-6-

API NO. 15- 067-21087

County Grant

NE NE SE Sec. 30 Twp. 29 Rge. 38 X East West

2310 Ft. North from Southeast Corner of Section

330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

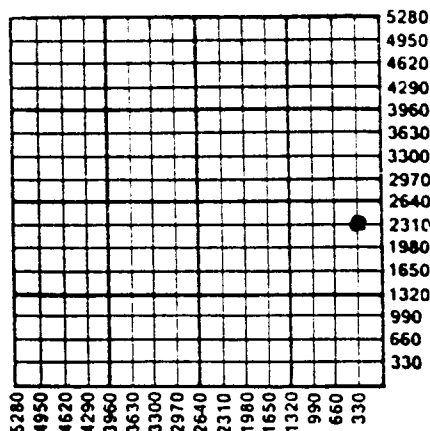
Lease Name E.L. Johnson Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3108.7 KB 3123.7

Total Depth 5802 PBDT 2824



Amount of Surface Pipe Set and Cemented at 1800 Feet

Multiple 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.

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)

SIDE TWO

Operator Name ARCO Oil & Gas CompanyLease Name E.L. Johnson UnitWell# 3☐ EastCounty GrantSec. 30 Twp. 29 Rge. 38☒ 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.)	☐ Yes ☒ No	Formation Description ☒ Log ☐ Sample
Samples Sent to Geological Survey	☐ Yes ☐ No	Name Top Bottom
Cores Taken	☐ Yes ☒ No	Glorieta Sand
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Stone Corral
		Chase 2318
		Krider 2346
		Winfield 2382
		Towando 2442
		Lower Ft. Riley 2510
		Florence 2554
		Wreford 2585
		Council Grove 2604
		Heebner 3790
		Marmaton 4485
		Morrow 5155
		St. Louis 5608

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	1800	C	900	2%cc+1/4#FC
Production	7 7/8	4 1/2	10.5	2926	POZ C	515	1/4#FC

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
		100 sx "H" cmt	5200-4890 OH
		100 sx "C" cmt	3085-2919 OH
4	2496-2504, 2482-92, 2464-78, 2454-60	A w/90 bbls. Frac w/238,560 gals & 571,400# sd.	
2	2318-24, 2346-63, 2382-97, 2407-24	A w/216 bbls	

TUBING RECORD		Liner Run	
Size	Set At	Packer At	☐ Yes ☒ No
None			

Date of First Production 1-22-91	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf 1124.5	Water Bbls. 0
	Gas-Oil Ratio NA		Gravity NA

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) _____

2318-2504