

SIDE ONE

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

API NO. 15- 187-20464-R <sup>0001</sup>

County Stanton

NW NE NW Sec. 24 Twp. 29 Rge. 39 X East West

4948.4 Ft. North from Southeast Corner of Section

3675.4 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name W.T. Jones Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3164.7 KB 3174.7

Total Depth 5900 PBSD 2825

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: Zenith Drilling Corp.

License: 5141

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 **OWNO**: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

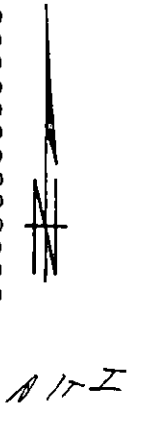
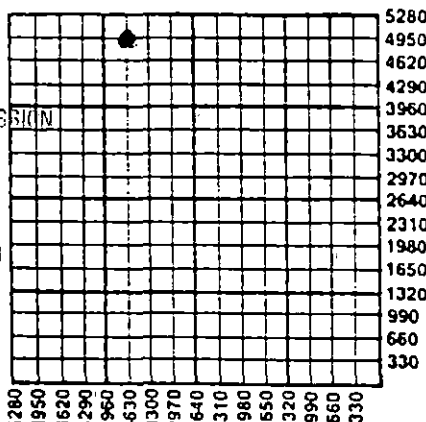
Drilling Method:

Mud Rotary  Air Rotary  Cable

10-27-89 11-6-89 8-3-90

Spud Date Date Reached TD Completion Date

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11-8-90  
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WICHITA, KANSAS



Amount of Surface Pipe Set and Cemented at 1810 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.

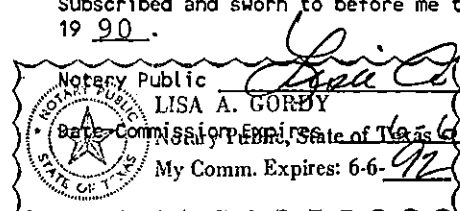
**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held 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 11-5-90

Subscribed and sworn to before me this 5th day of November, 19 90.



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)

24 29 39W

SIDE TWO

Operator Name ARCO Oil & Gas Company Lease Name W.T.Jones Unit Well # 3

Sec. 24 Twp. 29 Rge. 39  East  West County Stanton

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	Formation Name	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Chase	Top	
Cores Taken	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2342	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ft. Riley	2402	
		Council Grove	2440	
		Heebner	2644	
		Lansing	3814	
		Marmaton	3914	
		Morrow	4482	
		Chester	5207	
		St. Genevieve	5567	
		St. Louis	5614	
			5670	

CASING RECORD <input checked="" 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	1810	C	850	2%cc+1/4#CF
Production	7 7/8	5 1/2	15.5	2883	C	495	Lite & POZ
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 "C" cmt	4880	5214 OH	
				50 sx "C" cmt	2840	2964	
4	2487-98, 2501-09, 2516-22			A w/3300 gals. Frac w/63,000 gals & 728,280# sd.			
2	2340-84, 2404-22, 2426-30, 2440-44			A w/8250 gals.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
NONE							
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
10-16-90							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	0	788.9	0	NA	Gas 0.720		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 2340-2522

# TerraTek Core Services

13628 Gamma Road • Dallas, Texas 75244 • (214) 960-8777 • WATS (800) 338-3182 • FAX (214) 960-2939

## ARCO OIL & GAS COMPANY

Well: Wilkerson No. 1  
 Field: NA  
 Drilling fluid: Water

State: Kansas  
 County: Stanton  
 Location: NA

Date: 21-DEC-1989  
 ITCS File #: 5467  
 Elevation: NA

## PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability		Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Vert (md)		Oil %	H2O %		
<b>St. Louis Formation</b>								
1	5712.0-13.0	.003		1.5	32.9	40.0	2.69	Ls,fxl
2	5713.0-14.0	.003		1.2	41.4	57.6	2.67	Ls,fxl,slty lam
3	5714.0-15.0	.001		1.6	16.5	47.7	2.69	Ls,fxl
4	5715.0-16.0	.002		1.5	18.5	52.5	2.68	Ls,fxl
5	5716.0-17.0	.002		0.9	31.6	53.6	2.69	Ls,fxl
6	5717.0-18.0	.003		1.9	32.4	42.4	2.68	Ls,fxl
7	5718.0-19.0	.002		0.9	35.1	51.1	2.68	Ls,fxl
8	5719.0-20.0	.001		0.8	29.9	45.8	2.70	Ls,fxl
9	5720.0-21.0	.001		0.7	50.2	48.7	2.69	Ls,fxl
10	5721.0-22.0	.001		1.7	19.0	29.1	2.71	Ls,fxl
11	5722.0-23.0	.002		1.0	43.8	41.4	2.69	Ls,fxl
12	5723.0-24.0	.001		1.4	27.4	29.1	2.70	Ls,fxl
13	5724.0-25.0	.001		1.1	49.1	34.1	2.69	Ls,fxl
14	5725.0-26.0	.001		1.4	26.6	31.1	2.70	Ls,fxl
15	5726.0-27.0	.048		1.3	56.1	34.9	2.69	Ls,fxl,sl/slty
16	5727.0-28.0	<.001		2.1	23.6	34.4	2.73	Ls,fxl
17	5728.0-29.0	.001		0.7	53.0	45.0	2.69	Ls,fxl
18	5729.0-30.0	.001		0.8	34.7	44.3	2.68	Ls,fxl
19	5730.0-31.0	.002		0.9	32.4	45.9	2.69	Ls,fxl
20	5731.0-32.0	.002		1.1	63.7	27.1	2.69	Ls,fxl

ORIGINAL

# Terratek Core Services

13628 Gamma Road • Dallas, Texas 75244 • (214) 960-8777 • WATS (800) 338-3182 • FAX (214) 960-2939

ARCO OIL & GAS COMPANY  
Well: Wilkerson No. 1

Date: 21-DEC-1989

TTCS File #: 5467

## PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability		Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Vert (md)		Oil %	H2O %		
21	5732.0-33.0	.001		0.9	31.2	53.1	2.69	Ls,fxl
22	5733.0-34.0	.002		1.3	34.1	29.0	2.70	Ls,fxl,scat ool
23	5734.0-35.0	.002		1.1	48.8	37.7	2.69	Ls,fxl,scat ool
24	5735.0-36.0	<.001		1.7	26.8	31.9	2.70	Ls,fxl,scat sd
25	5736.0-37.0	.001		1.2	43.3	40.5	2.69	Ls,fxl,scat sd
26	5737.0-38.0	.002		1.1	26.5	41.2	2.68	Ls,fxl,scat sd
27	5738.0-39.0	.003		1.6	34.9	35.1	2.69	Ls,fxl,scat sd
28	5739.0-40.0	.003		1.5	39.1	38.8	2.70	Ls,fxl,scat sd
29	5740.0-41.0	.003		1.4	51.2	37.7	2.69	Ls,fxl,scat sd
30	5741.0-42.0	.002		2.2	22.5	38.2	2.70	Ls,fxl,scat sd
31	5742.0-43.0	.003		1.6	37.3	50.3	2.70	Ls,fxl,scat sd
32	5743.0-44.0	.003		1.6	41.5	40.7	2.70	Ls,fxl,scat sd
33	5744.0-45.0	.003		1.3	50.3	49.3	2.71	Ls,fxl,scat sd
34	5745.0-46.0	.004		0.4	12.6	85.4	2.69	Ls,fxl,scat sd
35	5746.0-47.0	.002		1.9	26.0	42.1	2.70	Ls,fxl
36	5747.0-48.0	.002		0.6	25.4	72.0	2.68	Ls,fxl
37	5748.0-49.0	.003		1.5	19.0	45.8	2.70	Ls,fxl
38	5749.0-50.0	.003		0.4	13.1	78.0	2.69	Ls,fxl
39	5750.0-51.0	.013		1.6	20.8	59.0	2.69	Ls,vfxl,sl/slty
40	5751.0-52.0	.005		2.2	31.0	66.0	2.71	Ls,vfxl,sl/slty
41	5752.0-53.0	.003		2.1	30.6	43.4	2.71	Ls,vfxl,sl/slty
42	5753.0-54.0	.001		1.2	17.6	64.7	2.68	Ls,vfxl,cht
43	5754.0-55.0	.002		2.1	37.7	58.3	2.72	Ls,vfxl,foss

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CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

# TerraTek Core Services

13628 Gamma Road • Dallas, Texas 75244 • (214) 960-8777 • WATS (800) 338-3182 • FAX (214) 960-2939

ARCO OIL & GAS COMPANY  
Well: Wilkerson No. 1

Date: 21-DEC-1989

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## PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability		Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Vert (md)		Oil %	H2O %		
44	5755.0-56.0	.002		0.6	18.8	64.0	2.69	Ls,vfxl,foss
45	5756.0-57.0	.001		0.7	17.0	50.7	2.70	Ls,m-cxl,foss
46	5757.0-58.0	.001		1.2	34.3	41.7	2.70	Ls,m-cxl,foss
47	5758.0-59.0	.002		0.5	9.9	67.2	2.71	Ls,m-cxl,foss,scat pyr
48	5759.0-60.0	.001		0.4	15.8	80.7	2.69	Ls,m-cxl,ool,scat pyr
49	5760.0-61.0	.001		0.8	9.0	60.9	2.71	Ls,m-cxl,ool,scat pyr
50	5761.0-62.0	.001		0.6	9.3	39.4	2.71	Ls,m-cxl,ool,scat foss
51	5762.0-63.0	.002		2.2	13.4	43.3	2.74	Ls,mxl,ool,scat foss,scat pyr
52	5763.0-64.0	.002		0.5	13.4	68.2	2.69	Ls,mxl,ool,scat foss,scat pyr
53	5764.0-65.0	.002		3.0	17.8	27.7	2.74	Ls,mxl,ool,scat foss,scat pyr
54	5765.0-66.0	.001		0.8	11.1	56.4	2.69	Ls,mxl,ool,scat foss,scat pyr
55	5766.0-67.0	.002		1.3	16.7	47.2	2.72	Ls,vfxl
56	5767.0-68.0	.001		0.7	9.3	55.4	2.70	Ls,fxl,scat ool,foss
57	5768.0-69.0	.001		0.8	8.2	41.9	2.70	Ls,fxl,scat ool,foss
58	5769.0-70.0	.001		0.5	13.9	71.0	2.69	Ls,fxl,scat ool,foss
59	5770.0-71.0	.002		1.0	8.0	47.3	2.70	Ls,fxl,ool

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 NOV 8 1989  
 STATION # 111  
 NO. 111  
 MICHAEL LUTAS  
 NO. 111

ORIGINAL

# TERRA TEK CORE SERVICES

360 Wakara Way, SLC Utah 84108 (801) 584-2480

ARCO OIL & GAS COMPANY  
Wilkerson No. 1 Well

# TEKLOG

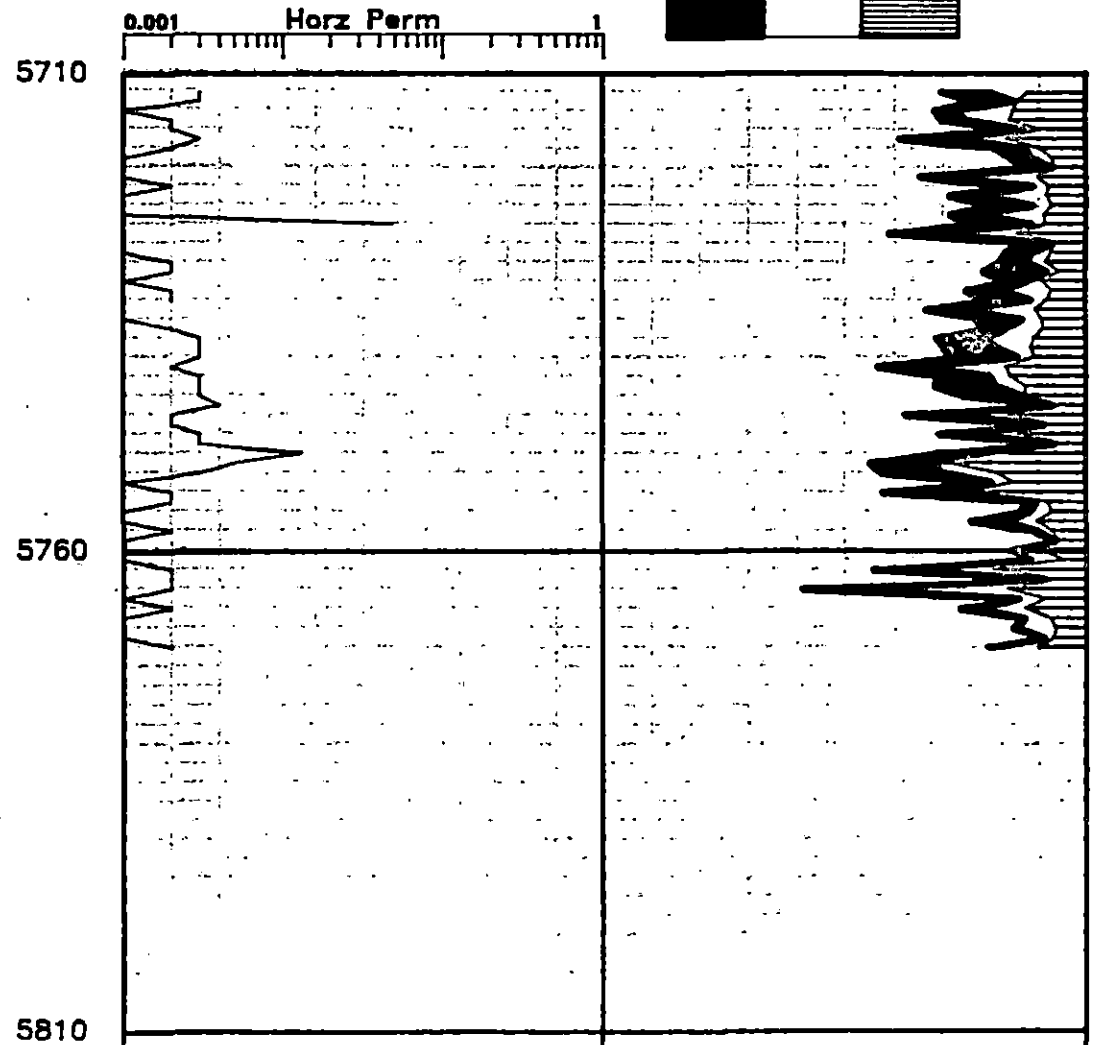
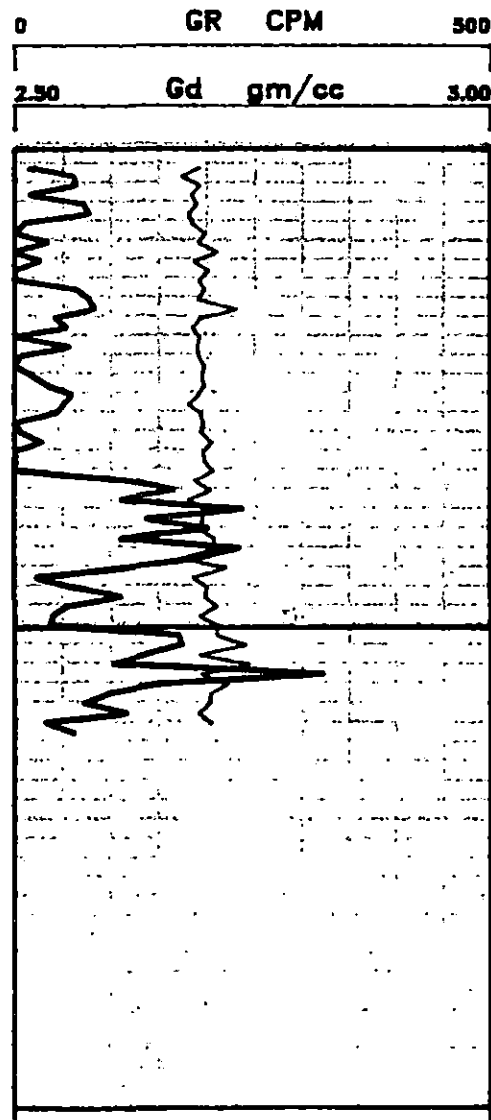
December 21 1989

TICS# 5487

Porosity % 8.15

Fractional Fluids  
Oil Vold Water

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