

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

Operator License # 5952

Name: Amoco Production Company

Address P.O. Box 800, Rm. 1833

City/State/Zip Denver, CO 80201

Purchaser: N/A

Operator Contact Person: J. A. Victor

Phone (303) 830-4009

Contractor Name: Exeter Drilling

License: 3098

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If OWO: old well info as follows:  
Operator: N/A

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

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

8/29/89 9/7/89  
Spud Date Date Reached TD Completion Date

API NO. 15- 067-20935-0000

County Grant

N/2 SW SW Sec. 20 Twp. 29 Rge. 38  East West

760 Ft. North from Southeast Corner of Section  
4620 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Biernacki Well # 3HI

Field Name Big Bow

Producing Formation None

Elevation: Ground 3138' KB 3150'

Total Depth 5868' PBTD 5716'

Diagram showing well depth and casing depth. The diagram consists of a vertical grid with depth markers on the right side ranging from 330 to 5280 feet. A horizontal line is drawn at approximately 3089 feet depth. There are handwritten annotations 'A-I' and 'N' next to the diagram.

Amount of Surface Pipe Set and Cemented at 1755 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3089 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

RECEIVED  
STATE CORPORATION COMMISSION  
JUL 16 1990  
7-16-1990  
CONSERVATION DIVISION  
Wichita, Kansas

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 J. L. Hampton

Title Sr. Staff Admin. Supv. Date 7/2/90

Subscribed and sworn to before me this 2nd day of July, 19 90.

Notary Public Julie A. Victor

Date Commission Expires 4/7/94

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 Amoco Production Company Lease Name Biernacki Well # 3HI

Sec. 20 Twp. 29 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Chase</td> <td>2309'</td> <td></td> </tr> <tr> <td>Council Grove</td> <td>2674'</td> <td></td> </tr> <tr> <td>Morrow</td> <td>5173'</td> <td></td> </tr> <tr> <td>Chester</td> <td>5516'</td> <td></td> </tr> <tr> <td>St. Genevieve</td> <td>5620'</td> <td></td> </tr> <tr> <td>St. Louis</td> <td>5698'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Chase	2309'		Council Grove	2674'		Morrow	5173'		Chester	5516'		St. Genevieve	5620'		St. Louis	5698'	
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Chester	5516'																						
St. Genevieve	5620'																						
St. Louis	5698'																						
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						

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#	1755'	Lite C	620	
Production	7-7/8"	5-1/2"	15.5#	5868'	Neat C	150	
					50/50 POZ	190	
					65/35 POZ	220	

  

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Depth	Depth
4 JSPF	2350-94'	Acid frac with 75 gals.	2350-2600'
4 JSPF	2412-56'	7.5% HCL	
4 JSPF	2474-2526'		
4 JSPF	2540-2600'	Frac with 191,430 gals. cross link gel and 893,000# 8/16 Brady sand	

  

TUBING RECORD				Liner Run	
Size	Set At	Packer At		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
None					

Date of First Production	Producing Method							
waiting on pipeline	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:	METHOD OF COMPLETION			Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole	<input checked="" type="checkbox"/> Perforation	<input type="checkbox"/> Dually Completed	<input type="checkbox"/> Coningled
	<input type="checkbox"/> Other (Specify) _____			2350-2600'