

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

ORIGINAL

API No. 15 - 055-20407-00-02

County Finney

SE - NW - NW - Sec. 7 Twp. 24S Rge. 34 East West

4000 Feet from SW (circle one) Line of Section

4020 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW, or SW (circle one)

Lease Name Crawford G.U. A Well # 4HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2922' KB 2933'

Total Depth 3050' PBDT 2695'

Amount of Surface Pipe Set and Cemented at 1616 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.

Drilling Fluid Management Plan ~~None~~ 9% Rework 1-23-95
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid Volume 2140 bbbls

Dewatering method used Dried and Filled

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S.Rng. _____ EW

County _____ Docket No. _____

Operator: License # 5952

Name: Amoco Production Company

Address P O Box 800

Room 924

City/State/Zip Denver, CO 80201

Purchaser: _____

Operator Contact Person: Susan R. Potts

Phone 303-830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp.Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: old well info as follows:

Operator: Amoco Production Company

Well Name: Crawford G.U. A /CG/ #3

Comp. Date 12/19/80 Old Total Depth 3050'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 2695 PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

6/19/80 6/23/80 9/23/93

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 to the best of my knowledge.

Signature Jessie R. BHA

Title Senior Staff Assistant Date 1-12-95

Subscribed and sworn to before me this 12th day of January 1995

Notary Public Donna J. Monroe

Date Commission Expires May 4, 1995

K.C.C. OFFICE USE ONLY		
F <input checked="" type="checkbox"/>	Letter of confidentiality Attached	
C <input checked="" type="checkbox"/>	Wireline Log Received	
C <input type="checkbox"/>	Drillers Timelog Received	
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)
JAN 17 1995		

Operator Name Amoco Production Company Lease Name Crawford Gas Unit A Well # 4HI

County Finney

Sec. 7 Twp. 24S Rge. 34 East 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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample																		
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																					
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																					
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																					
List All E. Logs Run:	<table border="1"> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> <tr> <td>Herrington</td> <td>2426'</td> <td>+500'</td> </tr> <tr> <td>Krider</td> <td>2447'</td> <td>+479'</td> </tr> <tr> <td>Winfield</td> <td>2490'</td> <td>+436'</td> </tr> <tr> <td>Towanda</td> <td>2544'</td> <td>+382'</td> </tr> <tr> <td>Ft. Riley</td> <td>2606'</td> <td>+320'</td> </tr> </table>				Name	Top	Datum	Herrington	2426'	+500'	Krider	2447'	+479'	Winfield	2490'	+436'	Towanda	2544'	+382'	Ft. Riley	2606'	+320'
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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#	1616'	POZ/Class C	205	
Production	7 7/8"	5 1/2"	15.5"	3050'	Class C	185 Premium 375 Premium Plus	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	2424-2468'; 2490-2512'; 2545-2570';	Acidize with 4600 gal 15% HCL	2424-2630'
	2607-2630'	Frac with 245, 160# 10/20 Colo.	2424-2630'
		Silica and 1369 bbls x-linked	
	CIBP @ 2700'	gel	

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj ST Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf 300 Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 2424-2630'

(If vented, submit ACO-18)



Amoco Production Company

Mid-Continent U.S. Business Unit
Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

January 6, 1995

Mr. Jim Hemmen
Research Analyst
Kansas Corporation Commission
Conservation Division
Wichita State Office Building
130 S. Market, Room 2078
Wichita, KS 67202-3802

File: CAW-399-986.511 API # 15 - 055 - 20407 - 0002

Completion Paperwork
Various Leases
Hugoton Field

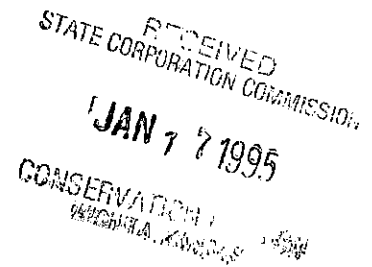
Dear Jim:

With regard to your June 9, 1994 memorandum and my recent conversations with you and Dave Williams, I have enclosed information which I hope will satisfy the reporting requirements for various infill wells in the Hugoton Field. I have supplied revised ACO-1 Well Completion Affidavits, supporting data, or other information where necessary. This information will hopefully be sufficient to complete the processing of the completion paper work on each of these wells.

Crawford Gas Unit "A" No. 4HI - Your question on this well concerns evidence as to the isolation of the Chase perforations from the Council Grove perforations. This wellbore was originally drilled as the Crawford Gas Unit "A" No. 3, a Council Grove well, in 1980. The well was plugged in 1983 when a cast iron bridge plug was set at 2700' and capped with 2 sacks of cement, then a cement plug set from 600' to surface. The No. 4 HI well was a re-entry of the No. 3 wellbore which was cleaned out down to the CIBP at 2695'. The well was then completed in the Chase. The attached plugging report is the only remaining evidence of the setting of the CIBP between the Chase and Council Grove.

Thorne Gas Unit No. 2 HI - The question on the Thorne G.U. No. 2 HI again concerns the potential commingling of the Chase and Council Grove. The Council Grove was tested but was then isolated with a CIBP set at 2790'. I have attached a copy of the job ticket for the setting of the plug and have revised the ACO-1 to reflect all perforations and the bridge plug.

Prafcke Gas Unit No. 3 HI - There was a discrepancy between the location on the Intent to Drill and the Completion Affidavit for the Prafcke G.U. No. 3 HI which was corrected on a revised ACO-1 filed September 28, 1994. That corrected form did not, however, report all perforations nor the setting of a CIBP at 2748'. This CIBP isolated the Chase from the Council Grove. A revised ACO-1 and job ticket for the setting of the bridge plug are attached.



Mr. Jim Hemmen
January 6, 1995
Page 2

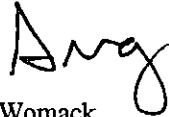
Sudan Mission Gas Unit No. 2 HI - The Completion Report for this well indicated perforations in both the Chase and Council Grove. The Completion Report incorrectly reported the perforations and did not show the setting of a bridge plug at 2780'. I have attached a revised ACO-1 and the work ticket for the setting of the plug.

Finnup Gas Unit No. 3 HI - The Completion Report on this well indicated perforations in the Council Grove but showed the Chase as the completion zone. This well was testing the Council Grove at that time but has now been completed in the Chase. A CIBP was set at 2764' to isolate the Council Grove. The work ticket for the setting of this plug and a revised ACO-1 are attached.

I hope this brings us up to date on these five wells. I apologize for the confusion surrounding the completion forms on these wells and assure you that Amoco will do better in the future. Please call me should there be any other questions on these wells, and never hesitate to call Susan Potts or myself if questions arise in the future.

Thanks you for your patience.

Very truly yours,



Greg Womack

GPW/gam/caw399
Attachments

Dave Williams - KKC
Susan Potts, Rm. 924
Tim Baumgart, Rm. 934

SOLE AGENT FOR THE STATE OF KANSAS
SOLARTE CORPORATION

JAN 7 7 1995

OPERATION DIVISION
WICHITA, KANSAS

Wichita, Kansas 67202

API # 15-055-20407-0002

ORIGINAL

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit

COUNTY Finney SEC. 7 TWP. 24S RGE. 34 W
Location as in quarters or footage from lines:
1260' FWL & 1280' FNL

X			

Lease Owner Amoco Production Company
Lease Name (Crawford Gas Unit) "A" Well No. 3
Office Address P. O. Box 432 Liberal, KS 67901
Character of Well (Completed as Oil, Gas or Dry Hole): Gas
Date Well Completed 6-18-80
Application for plugging filed 12-14-82
Plugging commenced 1-28-83
Plugging completed 2-4-83
Reason for abandonment of well or producing formation

Locate Well
correctly on above
Section Platt.

Formation no longer productive
Was permission obtained from the Conservation Division or it's
Agent's before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well KCC-KDHE Dist. Office
Producing formation Council Grove Depth to top 2708 bottom 3050 T.D. 3050
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

Casing Record

Formation	Content	From	To	Size	Put in	Pulled Out
<u>Council Grove</u>	<u>Gas</u>	<u>2708</u>	<u>3050</u>	<u>8-5/8</u>	<u>616</u>	<u>0</u>
				<u>5-1/2</u>	<u>3050</u>	<u>0</u>

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set. Set cast iron bridge plug at 2700', cap with 2 sacks cement. Pump 70 sacks cement 600' to 0'. Cut 8-5/8" and 5-1/2" casing 6' below surface, fill top of 8-5/8" casing with four sacks cement. Weld plate on 8-5/8" casing. Restore surface to natural state.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Midwest Casing Pullers

STATE OF Kansas COUNTY OF Seward, ss.
R. C. Carlson (employee of owner) or (owner or operator) of the
above-described well, being first duly sworn on oath, says: That I have knowledge of the
facts, statements, and matters herein contained and the log of the above-described well as
filed and that the same are true and correct. So help me God.

(Signature) R.C. Carlson R. C. Carlson
P. O. Box 432 Liberal, KS 67901
(Address)

SUBSCRIBED AND SWORN TO before me this 14th day of April, 19 83

My Appointment expires: 4-28-85
V. K. Bruce
Notary Public.