

SIDE ONE

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. 2444  
City/State/Zip Denver, CO 80201

Purchaser: \_\_\_\_\_  
Operator Contact Person: Julie Victor  
Phone ( 303 ) 830-4009

Contractor: Name: Cheyenne Drilling  
License: 5382

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

Designate Type of Completion  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
 Gas 32 \_\_\_\_\_ Inj \_\_\_\_\_ Delayed Comp. \_\_\_\_\_  
 Dry \_\_\_\_\_ Other (Core, Water Supply, etc.) \_\_\_\_\_

If OAWO: old well info as follows:  
Operator: N/A  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

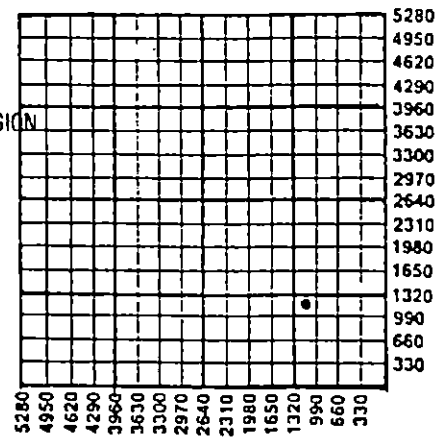
Drilling Method:  
 Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Cable \_\_\_\_\_  
3/28/91 3/20/91 5/30/91  
Spud Date Date Reached TD Completion Date

API No. 15- 187-20565-0000  
County Stanton

NW SE SE Sec. 28 Twp. 27 Rge. 39 X East West  
1250 Ft. North from Southeast Corner of Section  
1250 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Helmle G.U. Well # 3HI  
Field Name Hugoton  
Producing Formation Chase  
Elevation: Ground 3164' KB 3176'  
Total Depth 2544' PBDT \_\_\_\_\_

RECEIVED  
STATE CORPORATION COMMISSION  
7-29-91  
JUL 29 1991  
CONSERVATION DIVISION  
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 653 Feet  
Multiple Stage Cementing Collar Used? Yes X 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 Julie A Victor  
Title Permitting Representative Date 7/26/91  
Subscribed and sworn to before me this 26 day of July, 19 91.  
Notary Public Susan Callahan  
Date Commission Expires \_\_\_\_\_ My Commission Expires August 02, 1994

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) \_\_\_\_\_

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SIDE TWO

Operator Name Amoco Production Company Lease Name Helmle G.U. Well # 3HI  
 Sec. 28 Twp. 27 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	<b>Formation Description</b> <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample Name Top Bottom Chase 2240' 2545'
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	

**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#	653'	Prem Plus	205	
Production	7-7/8"	5-1/2"	15.5#	2544'	Prem Plus	150	
					Prem Plus	450	
					Prem Plus	100	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
Shots Per Foot	Specify Footage of Each Interval Perforated		
		Frac with 860,000# 8/16 Colorado Silica sand and 179,004 gals. gelling agent	2241-2544'

<b>TUBING RECORD</b>	Size <u>N/A</u>	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production <u>SI</u>	Producing Method <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
	1500

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) Slotted Casing Production Interval 2241-2544'

AMOCO PRODUCTION COMPANY  
 STANTON COUNTY, MISSOURI

28 27 39W

K C C

DRILLERS LOG

APR 02 1991

AMOCO PRODUCTION COMPANY  
HELMLE GJ NO. 3 HI  
SECTION 28-T27S-R39W  
STANTON COUNTY, KANSAS

COMMENCED: 03-28-91  
COMPLETED: 03-30-91

SURFACE CASING: 644' OF 8 5/8"  
CMTD W/205 SX PREM PLUS LT WT, 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX PREM PLUS, 2% C.C., 1/4#/SX FLO-CELL

FORMATION	DEPTH
SURFACE HOLE	0- 653
RED BED	653-1454
GLORIETTA SAND	1454-1529
SHALE	1529-1710
SHALE & LIME	1710-2544 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

*A.J. Jacques*

A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 1ST DAY OF APRIL, 1991.

BECKY J. WHETSTONE  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 4/29/91

*Becky J. Whetstone*

BECKY J. WHETSTONE, NOTARY PUBLIC RECEIVED  
STATE CORPORATION COMMISSION

APR 04 1991

CONSERVATION DIVISION  
Wichita, Kansas