

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 3092

City/State/Zip Houston, TX 77253-3092

Purchaser: WILLIAMS FIELD SERVICES

Operator Contact Person: Sue Sellers

Phone (281) 366-2052

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/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD

☐ Plug Back ☐ PBTB

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Inj?) ☐ Docket No. _____

03/30/01 04/02/01 06/13/01

Spud Date Date Reached TD Completion Date

API NO. 15- 055-21722-0000
County Finney
____ - SW - NE - NE Sec. 4 Twp. 26 S Rge. 32 X E W
1250 Feet from S(N) (circle one) Line of Section
1250 Feet from EW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Heiman Gas Unit Well # 2 HI
Producing Formation Chase
Elevation: Ground 2951.59 KB 2956.5
Total Depth 2800 PBTB 2650
Amount of Surface Pipe Set and Cemented at 997 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from N/A
feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan ALT 1 JZ 12/13/02
(Data must be collected from the Reserve Pit)
Chloride content 18,800 ppm Fluid volume 390 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name K&L TANK
Lease Name MORRIS 1 SWD License No. 5176
____ Quarter Sec. 19 Twp. 24 S Rge. 31 E/W
County FINNEY Docket No. 16-812 (96-93C)

COPY

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 and correct to the best of my knowledge.

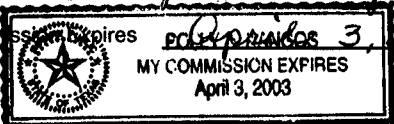
Signature [Signature]

Title Staff Assistant Date 07/25/01

Subscribed and sworn to before me this 25th day of July, 2001.

Notary Public [Signature]

Date Commission Expires April 3, 2003



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)		

Operator Name Amoco Production Company Lease Name Heiman Gas Unit Well # 2 HI
 Sec. 4 Twp. 26 S Rge. 32 ☐ East ☒ West
 County Finney

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	☒ Log	Formation (Top), Depth and Datums	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No			
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Chase	2596	2956.5 KB
List All E.Logs Run: Compensated Spectral Natural Gamma Ray				

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#	997	Prem+Lite	300	2%cc;1/4#Floc
					Prem+	150	2%cc;1/4#Floc
Production	7 7/8"	4 1/2"	10.5#	2807	65/35ppw/6%	550	1/4# flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☒ Plug Off Zone	2710-2730	Class H	150	Acid-2,000 gals of 15% HCL

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2600' - 2610'	Acid-2,000 GALS 15% HCL	2710-2730
4	2624' - 2634'	Frac-37,249# 12/20 Brady	2600-2674
4	2654' - 2674'	sand & 149 bbls 70Q N2 foam	
4	2710' - 2730' ; CIBP=2700'		

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	2 3/8"	2807'	N/A		
Date of First, Resumed Production, SWD or Inj.	Producing Method				
06/13/01	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	75	0		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perforation ☐ Dually Comp. ☐ Commingled
 (If vented, submit ACO-18.) ☐ Other (Specify) _____

DRILLER'S LOG

AMOCO PRODUCTION
HEIMAN GU 2 HI
SECTION 4-T26S-R32W
FINNEY COUNTY, KANSAS

COMMENCED: 03-30-01
COMPLETED: 04-02-01

SURFACE CASING: 997' OF 8 5/8" CMTD
W/300 SKS PREMIUM PLUS LITE + 2% CC +
1/4#/SK FLOCELE. TAILED W/150 SKS
PREMIUM PLUS + 2% CC + 1/4#/SK FLOCELE.

FORMATION

DEPTH

SURFACE HOLE	0 - 997
RED BED	997 - 1385
GLORIETTA	1385 - 1580
RED BED	1580 - 2260
LIMESTONE & SHALE	2260 - 2810 RTD

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

CHEYENNE DRILLING, INC.

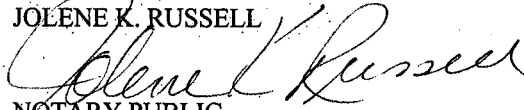


WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 4TH DAY OF APRIL, 2001.

JOLENE K. RUSSELL



NOTARY PUBLIC