SIDE ONE

API NO. 15- _067-21397-0000_

Docket No. 194,801-C

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS COMSERVATION DIVISION WELL COMPLETION FORM ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	CountyGrantE
Operator: License #5952	330 Feet from S/A circle one) Line of Section
Name:Amoco Production Company	330 Feet from ENW (circle one) Line of Section
AddressPO Box 800 Room 924	Footages Calculated from Nearest Outside Section Corner: NE SE, NW or SW (circle one)
City/State/ZipDenver, CO 80201	Lease Name Earl B. Williams Gas Unit *Well #4
Purchaser:Williams Natural Gas	Producing Formation Chase
Operator Contact Person:Susan R. Potts	Elevation: Ground3065.56' KB3071.5'
Phone (_303_)830-5323	Total Depth2710' PBTD _2618'
Contractor: Name:Cheyenne Drilling	Amount of Surface Pipe Set and Cemented at453 Feet
License:5382	· — —
Wellsite Geologist:N/A	Multiple Stage Cementing Collar Used? YesX No
Designate Type of Completion	If yes, show depth set Feet
XNew Well Re-Entry Workover	If Alternate II completion, cement circulated from2715
OilSWDSIOWTemp. Abd. SIGW	feet depth to _surface w/530 sx cmt.
Dry Other (Core, WSW, Expl., Cathodic, etc) If Workover:	Drilling Fluid Management Plan $A/+2$, $2-//-98$ (Data must be collected from the Reserve Pit)
Operator:	Chloride content5600ppm Fluid volume400bbls
Well Name:	Dewatering method usedDried and Filled
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Inj/SWD Plug Back PBTD PBTD Commingled Docket No.	Operator Name
Dual Completion Docket No.	Lease NameLicense No
Other (SWD or Inj?) Docket No.	Quarter Sec TwpS RngE/W
5/27/975/29/977/3/97 Spud Date	County Docket No
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well	be filed with the Kansas Corporation Commission, 130 S. Market spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lls. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promul with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complied he best of my knowledge.
Signature Susa R. BHO	K.C.C. OFFICE USE ONLY
TitleSenior Staff Assistant Date9	FLetter of Confidentiality Attached /12/97 CWireline Log Received
Subscribed and sworn to before me this day of day of	C Geologist Report Received Distribution
Notary Public	SCORPORATION C MMISSION KCC SWD/Rep NGPA Other (Specify)
Date Commission Expires	POT-
10.0 BROADWA Emwer, co so	SEP 15 1997 Form ACO-1 (7-91)
CO _l	VSERVATION DIVISION WICHITA, KS
Λįζ	WICHITA, KS

Operator Name _Amoco							4
	, i	□ _{East}	County	Grant		· .	
sec29 Twp27s	_ Rge37	-X West	,		, ,		
INSTRUCTIONS: Show interval tested, tim nydrostatic pressures if more space is nee	me tool open a s, bottom hole	nd closed, flowing temperature, fluid r	and shut-in pres	sures, whet	her shut-in pre	ssure reac	hed static level,
Drill Stem Tests Tak (Attach Additiona		Yes X No	[X] Log	Formatio	n (Top), Depth	and Datums	☐ Sample
Samples Sent to Geol	ogical Survey	☐ Yes [X] No	Name Chase		Top 2358	,	Datum
Cores Taken		Yes X No	Council	Grove	2692	•	
Electric Log Run (Submit Copy.)		X Yes No					
List All E.Logs Run:	Compensated Sp	pectral Natural Gamm	na .				
		CASING RECORD	<u> </u>				
	Report a	ll strings set-condu		sed ntermediate,	production, et	c.	
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	12.25"	8.625"	24	4531	Class C	100	2%CC+1/4# Flocele
Production	7.875"	5.5"	14	2715*	Class C Lt Wt- Premium Plus L		2%CC+1/4# Flocele
	ADDITIONAL C	EMENTING/SQUEEZE RE	CORD	<u></u>		<u></u>	
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percen	t Additive	s
Protect Casing Plug Back TD Plug Off Zone		9					
Shots Per Foot		RECORD - Bridge Pl ge of Each Interval			Fracture, Shot, d Kind of Mater		ueeze Record Depth
2	2391-2401';240	09-29'; 2460-70'; 25	17-27'; 2574-84'	FRAC W/255	,136 lbs 12/20	sand and 1	394 2391-26181
	2608-18'			bbls. x-li	nk gelled fresh	water. F	lush
				w/55 bbls.	gelled fresh w	ater.	
TUBING RECORD 2.8	Size 75" 6.5# J-55 I	Set At EUE 2632'	Packer At	Liner Run	☐ Yes [X]	No	
Date of First, Resu First Gas 8/21/9		, SWD or Inj. Prod	lucing Method	lowing Deu	mping Gas L	ift 🗆 ot	her (Explain)
Estimated Productio Per 24 Hours	n Oil	Bbls. Gas 450 MG	Mcf Wate	r Bbls.			Gravity
Disposition of Gas:	_	F COMPLETION			oduction Interv		
Vented X Sold (If vented, su			Hole X Perf.	•	Comp. Comm	ingled _	_2391-2618′
		51110	(0000.1)/			_	
			•				

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS API NO. 15- _067-21397-0000_

OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM ACO-1 WELL HISTORY	CountyGrant
DESCRIPTION OF WELL AND LEASE	
Operator: License #5952	330 Feet from (Circle one) Line of Section
Name:Amoco Production Company	330 Feet from F/W (circle one) Line of Section
AddressPO Box 800 Room 924	Footages Calcated from Nearest Outside Section Corner: (NE/ SE, NW or SW (circle one)
City/State/ZipDenver, CO 80201	Lease Name _Earl B. Williams Gas Unit Well #4XI
Purchaser:Williams Natural Gas	Field Name _Hugoton
Operator Contact Person:Susan R. Potts	Producing FormationChase
Phone (_303_)830-5323	Elevation: Ground3065.56' KB3071.5'
	Total Depth2710' PBTD _2618'
Contractor: Name:Cheyenne Drilling	Amount of Surface Pipe Set and Cemented at453 Fee
License:5382	Multiple Stage Cementing Collar Used? YesX N
Wellsite Geologist:N/A	If yes, show depth set Fee
Designate Type of Completion Workover Workover	If Alternate II completion, cement circulated from 2715
OilSWDSIOWTemp. Abd.	feet depth tosurface w/530 sx cmt
X Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan A/+ 2, 2-1/-98
If Workover:	(Data must be collected from the Reserve Pit)
Operator:	Chloride content5600ppm Fluid volume400bbl
Well Name:	Dewatering method usedDried and Filled
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:
	Location of fitting disposat if nauted offsite:
Deepening Re-perf Conv. to Inj/SWD Plug Back PBTD PBTD Commingled Docket No	Operator Name
Dual Completion Docket No.	Lease NameLicense No
Other (SWD or Inj?) Docket No.	Quarter Sec TwpS RngE/W
5/27/975/29/977/3/97	County Docket No.
	BOOKER NO.
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the	side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS
All requirements of the statutes, rules and regulations promul with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complience best of my knowledge.
signature Lusa R. B. H	K.C.C. OFFICE USE ONLY
TitleSenior Staff Assistant Date8,	F Letter of Confidentiality Attached C Wireline Log Received
Subscribed and sworn to before me this 27th day of aug	C Geologist Report Received Distribution
Notary Public Lun Defen air	KCC SWD/Rep NGPA KGS Plug Cother
Date Commission Expires	ORATION COMMISSION (Specify)
- Alı_	

AUG 28 1997

Form ACO-1 (7-91)

Docket No. 194,801-C

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The state of the state of

Operator Name _Amoco		<u> </u>	Lease Name	Earl B. Wil	liams Gas Unit_	Well #	4н1
Sec29 Twp27S	_ Rge37	East X West	County	Grant		-	
INSTRUCTIONS: Show interval tested, tim hydrostatic pressures if more space is need	me tool open a s, bottom hole	nd closed, flowing a temperature, fluid re	and shut-in pres	sures, whet	her shut-in pre	ssure read	ched static level,
Drill Stem Tests Tak (Attach Additiona		Yes X No	[X] Log	Formatio	n (Top), Depth	end Datums	; Sample
Samples Sent to Geol		☐ Yes 【X No	Name Chase		Top 2358		Datum
Cores Taken		Yes X No	Council (Grove	2692	•	
Electric Log Run (Submit Copy.)		X Yes No					
List All E.Logs Run:	Compensated Sp	pectral Natural Gamma	a				
		CASING RECORD		_			
	Report al	ll strings set-condu		sed ntermediate,	production, etc	c.	
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	12.25"	8.625"	24	4531	Class C	100	2%CC+1/4# Flocele
Production	7.875"	5.5"	14	2715*	Class C Lt Wt— Premium Plus L		2%CC+1/4# Flocele 1/4# Flocele
	ADDITIONAL C	EMENTING/SQUEEZE REC	ORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percen	t Additive	?s
Protect Casing							
Plug Back TD Plug Off Zone							
			0.4 (7			C	Bassad
Shots Per Foot		# RECORD - Bridge Ploge of Each Interval F	,		Fracture, Shot, d Kind of Mater		Depth
2	2391-24011;240	09-29'; 2460-70'; 25	17-27'; 2574-84';	FRAC W/255	,136 lbs 12/20 s	sand and 1	394 2391-2618
	2608-18'			bbls. x-li	nk gelled fresh	water. F	lush
				w/55 bbls.	gelled fresh w	ater.	
TUBING RECORD 2.8	Size 75" 6.5# J-55 E	Set At EUE 2632'	Packer At	Liner Run	☐ Yes 【X	No	,
Date of First, Resu First Gas 8/21/9		, SWD or Inj. Prod	ucing Method	Lowing DPU	mping Gas L	ift 🗆 ot	her (Explain)
Estimated Productio Per 24 Hours	n Oil	Bbls. Gas 450 MC	. Mcf Water	- Bbls.			Gravity
Disposition of Gas:	METHOD O	F COMPLETION		Pr	oduction Interv	al	
Vented X Sold		Lease Dopen	Hole X Perf.	☐ Dually	Comp. Comm	ingled _	_2391-2618/
(If vented, su	MITE ALU-10.)	Othe	r (Specify)			_	

ORIGINAL

AMOCO PRODUCTION COMPANY EARL WILLIAMS GU 4-HI SECTION 29-T27S-T37W GRANT COUNTY, KANSAS

15-067-21397

COMMENCED: 05-27-97 COMPLETED: 05-29-97

SURFACE CASING: 453' OF 8 5/8" CMTD W/150 SKS PREMIUM PLUS LITE + 2% CC + 1/4 #/SK FLOCELE. TAILED IN W/100 SKS PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE

FORMATION	DEPTH	
SURFACE HOLE	0 - 453	
RED BED	453 - 1320	
GLORIETTA	1320 - 1425	
RED BED	1425 -2715 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 Valet

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH DAY OF MAY, 1997

JOLENE K. RUSSELL State of Kansas My Appl. Exp. 913 99 JOLENE K. RUSSELL

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RECEIVED
KANSAS CORPORATION COMMISSION

AUG 28 1997

CONSERVATION DIVISION WICHITA, KS

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-10105 / 85257 LOCATION		John	l Ca								
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Bottom Hole Temp F	ressure Depth		TIME	1		<u> </u>					
TOOLS AND ACCES	SORIES				•	V	/ELL D/	ATA			
TYPE AND SIZE QT	Y M/	AKE			NEW/USED		SIZ		FROM	TO	MAX ALLOV
Float Collar			Casing		1/	24	82		0	453	1500
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Guide Shoe Centralizers	- / /		Liner								
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Gelling Agent Gal/Lb	ln						\blacksquare		$\neg \vdash$		
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SERVIC	E LOCATIONS	_	WELL/PROJECT N		LEASE			COUNTY/PARISH		STATE	CITY/OFFSHOP			DATE		WNER	
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2. /	WGOTON K	-5	TICKET TYPE NI SERVICE JO SALES	B? ☐ YES	WELL CAT		VE	LHA Y WANT	K HS	VIA	DELIVERED TO			ORDER NO.	•		
3.3 18			WELL TYPE	-)-	WELL CAT	EGORY					WELL PERMIT I	VO.		WELL LOCATIO	N		_
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CUSTOMER OR CUSTO	CUST	OMER ACCEPT	ANCE	OF MAT		LS AND SERVICES		omer hereby a	cknowlege	es receip	of the mate				On this ticket. URTON APPROVAL		
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For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs:
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:
 - LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE; INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP. WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS; DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENTALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY: Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will consitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. FHERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- H. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION	API NO. 15067-21397-0000							
WELL COMPLETION FORM								
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE								
Operator: License #5952	330 Feet from (Circle one) Line of Section							
Name:Amoco Production Company	330 Feet from E/W (circle one) Line of Section							
AddressPO Box 800 Room 924	Footages Calcated from Nearest Outside Section Corner: (NE/ SE, NW or SW (circle one)							
City/State/ZipDenver, CO 80201	Lease Name _Earl B. Williams Gas Unit Well #4HI Field Name _Hugoton							
Purchaser:Williams Watural Gas	•							
Operator Contact Person:Susan R. Potts	Producing FormationChase							
Phone (_303_)830-5323	Elevation: Ground3065.56' KB3071.5'							
Contractor: Name:Cheyenne Drilling	Total Depth2710' PBTD _2618'							
License:5382	Amount of Surface Pipe Set and Cemented at453 Feet							
Wellsite Geologist: N/A	Multiple Stage Cementing Collar Used? YesX No							
Designate Type of Completion	If yes, show depth set Feet							
X New Well Re-Entry Workover	If Alternate II completion, cement circulated from2715							
Oil SWD SIOW Temp. Abd SIGW	feet depth to _surfacew/530sx cmt.							
Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan $A/1.2, 2-1/-98$ (Data must be collected from the Reserve Pit)							
If Workover:								
Operator:	Chloride content5600ppm Fluid volume400bbls							
Well Name:	Dewatering method usedDried and Filled							
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:							
Deepening Re-perf Conv. to Inj/SWD	Chanatan Hawa							
Plug Back PBTD Commingled Docket No. Dual Completion Docket No.	Operator Name							
Dual Completion Docket No Other (SWD or Inj?) Docket No	Lease NameLicense No							
5/27/975/29/977/3/97	Quarter SecTwpS RngE/W							
Spud Date	County Docket No							
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well with BE ATTACKED. Submit CP-4 form with all plugged we	side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lls. Submit CP-111 form with all temporarily abandoned wells.							
with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complied he best of my knowledge.							
Signature Suow K. KSH	K.C.C. OFFICE USE ONLY							
TitleSenior Staff Assistant Date8,								
Subscribed and sworn to before me this $\frac{274}{4}$ day of $\frac{6}{4}$	Distribution							
Notary Public Lim De Rew	KCC SWD/Rep NGPA KGS Plug Other							
Date Commission Expires//-/// - 2000ASAS CORPO	RATION COMMISSION (Specify)							

AUG 29 1997

Form ACO-1 (7-91)

			SIDE TWO							
Operator Name _Amoco	Production Com	pany	Lease Name	Earl B. Wil	.liams Gas Unit_	Well#	4HI			
Sec29 Twp275	[_Rge37 [East	County	CountyGrant						
INSTRUCTIONS: Show interval tested, time hydrostatic pressure if more space is nee	important tops me tool open an s, bottom hole t	and base of formation of closed, flowing a emperature, fluid re	and shut-in pres	sures, whet	her shut-in pre	ssure read	ched static level			
Drill Stem Tests Taken Yes X No (Attach Additional Sheets.)			X Log	X Log Formation (Top), Depth and Datums						
Samples Sent to Geol	ogical Survey	Yes X No	Name Chase Council (- Provo	Top 2358 2692	23581				
Cores Taken		Yes X No	Council	1LOAG	2092	,				
Electric Log Run (Submit Copy.)		X Yes No								
List All E.Logs Run:	Compensated Sp	ectiat Naturat Gamme								
	Report al	CASING RECORD		sed ntermediate,	production, etc	c.				
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	12.25"	8.625"	24	4531	Class C	100	2%CC+1/4# Flocel			
Production	7.875" 5.5"		14	2715′	Premium Plus L		2%CC+1/4# Flocel 1/4# Flocele			
<u> </u>	ADDITIONAL CE	MENTING/SQUEEZE REC	ORO				<u> </u>			
Purpose: Depth Top Bottom Perforate		Type of Cement	#Sacks Used		Type and Percent Additives		s			
Protect Casing Plug Back TD Plug Off Zone										
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Shots Per Foot Specify Footage of Each Interval Perf				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth					
2	2391-24017;240	9-29'; 2460-70'; 251	7-27'; 2574-84';	-84'; FRAC w/255,136 lbs 12/20 sand and 1394 2391-2618'						
	2608-181			bbls. x-link gelled fresh water. Flush						
				w/55 bbls.						
TUBING RECORD 2.8	Size 75" 6.5# J-55 E	Set At UE 2632'	Packer At	Liner Run	☐ _{Yes} [χ]	No				

Mcf

450 MCFD

Other (Specify) _

Water

1 BWPD

Bbls.

Gas-Oil Ratio

Gravity

Producing Method X Flowing Pumping Gas Lift Other (Explain)

Open Hole X Perf. Dually Comp. Commingled _2391-2618'____

Production Interval

Bbls.

HETHOD OF COMPLETION

Estimated Production

Per 24 Hours

Disposition of Gas:

Date of First, Resumed Production, SWD or Inj. First Gas 8/21/97

Vented X Sold Used on Lease (If vented, submit ACO-18.)

oil

API NO. 15- _067-21397-0000_

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

MELL CONFLICTION FORM	Countygrant
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	NENENE Sec29_ Twp27S Rge37 X_
Operator: License #5952	330 Feet from (Circle one) Line of Section
Name:Amoco Production Company	330 Feet from E/W (circle one) Line of Section
AddressPO Box 800 Room 924	Footages Calcated from Nearest Outside Section Corner: (NE/ SE, NW or SW (circle one)
City/State/ZipDenver, CO 80201	Lease Name _Earl B. Williams Gas Unit Well # _4HI
Purchaser:Williams Natural Gas	Field Name _Hugoton
Operator Contact Person:Susan R. Potts	Producing FormationChase
	Elevation: Ground3065.56' KB3071.5'
Phone (_303_)830-5323	Total Depth2710' PBTD _2618'
Contractor: Name:Cheyenne Drilling License:5382	Amount of Surface Pipe Set and Cemented at453 Fee
Wellsite Geologist: N/A	Multiple Stage Cementing Collar Used? YesX N
Designate Type of Completion	If yes, show depth set Fee
X_ New Well Re-Entry Workover	If Alternate II completion, cement circulated from2715
OilSIOWTemp. Abd.	feet depth tosurface w/530 sx cmt
X Gas ENHR SIGW Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan A/1. 2 2-11-98 U
If Workover:	(Data must be collected from the Reserve Fit)
Operator:	Chloride content5600ppm Fluid volume400bbl
Well Name:	Dewatering method usedDried and Filled
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Inj/SWD	
PBTD Commingled Docket No.	Operator Name
Dual Completion Docket No. Other (SWD or Inj?) Docket No.	Lease NameLicense No
	Quarter Sec TwpS RngE/W
5/27/975/29/977/3/97 Spud Date	County Docket No
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of <u>all</u> wireline logs and geologist well:	be filed with the Kansas Corporation Commission, 130 S. Market spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lls. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promul with and the statements herein are complete and correct to t	gated to regulate the oil and gas industry have been fully complie he best of my knowledge.
Signature Zuow R. RH	K.C.C. OFFICE USE ONLY
TitleSenior Staff Assistant Date8	F Lefter of Confidentiality Attached
Subscribed and sworn to before me this 27th day of auc	Content Description
19 97.	Distribution
Notary Public Lima De Pew	KCC SWD/RepNGPA NGS Plug Other
Date Commission Expires $1/-10-2000$	(Specify)

SIDE 1	ΙΨO
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Operator Name _Amoco	Production Com	npany	Lease Name	Earl B. Wil	liams Gas Unit_	Well#	4HI			
Sec29 Twp27s_	Rge37	East West	County	_Grant			·			
INSTRUCTIONS: Show interval tested, tim hydrostatic pressures if more space is need	e tool open a , bottom hole 1	nd closed, flowing a temperature, fluid re	and shut-in pres	sures, whet	her shut-in pre	ssure read	ched static level,			
Drill Stem Tests Take (Attach Additional		☐ Yes [X] No	[X] roa	Formatio	n (Top), Depth :	and Datums	Sample			
Samples Sent to Geolo	ogical Survey	Yes X No	Name Chase	Chase 2358'						
Cores Taken		Yes X No	Council	Council Grave 2692'						
Electric Log Run (Submit Copy.)		X Yes No								
List All E.Logs Run:	Compensated Sp	pectral Natural Gamma	a							
				M. C.						
		CASING RECORD								
	Report al	l strings set-conduc	ا New لا X New Ctor, surface, ii		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	12.25"	8.625"	24	453′	Class C Class C Lt Wt—		2%CC+1/4# Flocele 2%CC+1/4# Flocele			
Production	7.875"	5.5"	14	2715′	Premium Plus L		1/4# Flocele			
	ADDITIONAL C	EMENTING/SQUEEZE REC	ORD	_	<u> </u>					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives						
Perforate Protect Casing Plug Back TD Plug Off Zone										
Shots Per Foot		RECORD - Bridge Plu ge of Each Interval F			Fracture, Shot, d Kind of Mater		ueeze Record Depth			
2	2391-2401;240	9-29'; 2460-70'; 25'	17-27'; 2574-84'	27'; 2574-84'; FRAC w/255,136 lbs 12/20 sand and 1394 2391-261						
	2608-181			bbls. x-link gelled fresh water. Flush						
				w/55 bbls. gelled fresh water.						
	 _				<u></u>					
TUBING RECORD 2.87	Size 75" 6.5# J-55 E	Set At UE 2632'	Packer At	Liner Run	☐ Yes [X]	No				
Date of First, Resum First Gas 8/21/97		SWD or Inj. Produ	ucing Method	lowing D _{Pu}	mping Gas L	ift Ot	her (Explain)			
Estimated Production Per 24 Hours	n Oil	Mcf Water		Gas-Oil	Ratio	Gravity				
Disposition of Gas:	METHOD OF	COMPLETION		_	oduction Interva					
Vented X Sold (If vented, sub	Used on Lomit ACO-18.)		Hole X Perf.	∐ Dually	Comp. L Comm	ingled _	_2391-2618*			
		— Other	(opco1177			_				