

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 PO Box 800 Room 924

City/State/Zip Denver, CO 80201

Purchaser: Williams Natural Gas

Operator Contact Person: Susan R. Potts

Phone (303) 830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Berexco Inc.

Well Name: Lee Kisner #2-36

Comp. Date 10/9/92 Old Total Depth 5380'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 3000' PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

10/9/92 8/3/93
Spud Date of Re-Entry Date Reached TD Completion Date of Re-Entry

API NO. 15- 055-21146-0001

County Finney

- SW - SW - NW Sec. 36 Twp. 26S Rge. 33 E W

2970 Feet from N (circle one) Line of Section

4950 Feet from W (circle one) Line of Section

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

Lease Name Kisner Gas Unit /A/ Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2914' KB 2926'

Total Depth 5380' PBDT 3000'

Amount of Surface Pipe Set and Cemented at 1798 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
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid volume 2140 bbls

Dewatering method used Dried and Filled

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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 Susan R. Potts

Title Senior Staff Assistant Date 9/30/96

Subscribed and sworn to before me this 30th day of September, 1996.

Notary Public Susan Callahan

Date Commission Expires 8/2/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

RECEIVED
STATE CORPORATION COMMISSION

OCT 01 1996
10/01/96
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-91)

SIDE TWO

Operator Name Amoco Production Company Lease Name Kisner Gas Unit /A/ Well # 2H1

Sec. 36 Twp. 26S Rge. 33W 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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums (From logs ran by Berexco)	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase Top	2590'
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Council Grove Top	2930'
List All E.Logs Run:			

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	12.25"	8.625"	24	1798'	HLC P+ Premium Plus	600	2%CC+1/4#Flocele
Production	7.875"	5.5"	15.5	2906'	Class C Lt. Wt. Class C	400 150	1/4# Flocele 1/4#Flocele

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3000'-3200'	Class H	75	Neat

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	2762-2774'; 2734-2748'; 2679-2702'; 2617-2662'	Acidize w/72 bbls. 28% HCL	2734-2774'
		Acidize w/40 bbls. fresh water	2617-2702'
		FRAC w/ 44,500 lbs. of 12/20 sand	2617-2702'

TUBING RECORD 2.375"	Size 4.7# J-55 EUE T&C	Set At 2763'	Packer At 2763'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. First Gas 8/16/93	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 200 MCFD	Mcf	Water Bbls. Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 2617-2774'
 Other (Specify) _____

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	20:30							CALL
	22:10							Location
	02:15							Hook To DP (set @ 3200ft)
	02:17	2			2	150		START Job w/ H ₂ O
	02:22	4	10		2	250		Pump SLURRY 75% mix @ 14 1/2" dia
	02:25	4	14		2	50		Pump H ₂ O
	02:26	5	35		2	50		Pump mud
	02:32	0	35		0	0		SHUT DOWN
	06:50							Hookup Head by set @ 2908 ft
	07:05							Circulate w/ Rig
	07:35							Hook To Cmt Line
	07:39	5			2	250		START Job w/ H ₂ O
	08:08	5	20		2	300		Pump LEAD Cmt 40% mix, mix @ 12 1/2"
	08:12	5	747		2	400		Pump Tail Cmt 150% mix @ 14 1/2"
	08:18	0	35		0	0		SHUT DOWN, WASH PUMP LINE, DEPOSIT, etc.
	08:28	5			2	250		DISPATCH
	08:38	2	58		1	250		SLow RATE Cmt To SURFACE
	08:40	0	68		0	800		Plug Down
	08:41					150		CHECK FLOAT - Holding

Cmt To SURFACE
= 25 BBLs

RECEIVED
STATE CORPORATION COMMISSION

OCT 01 1996

CONSERVATION DIVISION
Wichita, Kansas

Thank you for calling Hall, Limited
[Signature]

WELL DATA

FIELD Hugoton SEC 36 TWP 26 RANG 33 COUNTY Finney STATE Ks.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	WA	11.20	5 1/2	G.L.	2908	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND QTY	QTY	MAKE
Insert <u>Insert</u>	<u>1</u>	<u>Howco</u>
Fill up <u>Fill up</u>	<u>1</u>	
Guide shoe <u>Guide shoe</u>	<u>1</u>	
Centralizers <u>Centralizers</u>	<u>5</u>	
Down hole <u>Down hole</u>	<u>1</u>	
Top plug <u>Top plug</u>	<u>1</u>	
Head <u>Head</u>	<u>1</u>	
Packer <u>Packer</u>		
Other <u>Other</u>		

JOB DATA

DATE	TIME	ON LOCATION	DATE	TIME	JOB STARTED	DATE	TIME	JOB COMPLETED	DATE	TIME
<u>10-9-92</u>	<u>20:30</u>			<u>22:40</u>		<u>10-10-92</u>	<u>22:15</u>		<u>10-10-92</u>	<u>09:00</u>

MATERIALS

TREAT FLUID _____ DENSITY _____ LB/GAL API

DISPL FLUID _____ DENSITY _____ LB/GAL API

PROP TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFFAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. MEAFER</u>	<u>40048</u>	<u>L. BARKER</u>
<u>R. Taylor</u>	<u>52823</u>	<u>" "</u>
<u>D. PIERCE</u>	<u>4515</u>	<u>Hugotons</u>
<u>S. TATE</u>	<u>FOS68</u>	<u>" "</u>

DEPARTMENT Cont

DESCRIPTION OF JOB PLUGBACK long string
etc

JOB DONE THRU: TUBING CASING ANNULUS TBC/ANN

CUSTOMER REPRESENTATIVE [Signature]

MALLIBURG OPERATOR [Signature]

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>75</u>	<u>H</u>		<u>3</u>	<u>None</u>	<u>1.06</u>	<u>16.4</u>
<u>2</u>	<u>400</u>	<u>C14.WF</u>		<u>3</u>	<u>1/4 # Fluca LA</u>	<u>2.06</u>	<u>12.3</u>
<u>3</u>	<u>150</u>	<u>C</u>		<u>3</u>	<u>1/4 # Fluca LA</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN INSTANT _____ 5-MIN _____ 10-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 43 REASON Shut

SUMMARY

PREGLUG: BBL 20 TYPE H2O

LOAD & BRDN: BDL-GAL _____ PAD: BDL-GAL _____

TREATMENT: BDL-GAL _____ DISPL. BDL-GAL 67.18

CEMENT SLURRY: BDL C14 Plug 147 x 25 = 182

TOTAL VOLUME: BBL 284

REMARKS

Cont Circulated to Surface
+ 25 BBLs

CUSTOMER: Amoco Production Co
 CASE: 1-10-92
 WELL NO: #2 HI
 JOB TYPE: PLUGBACK
 DATE: 10-10-92