

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5952
name Amoco Production Company
address P.O. Box 432
City/State/Zip Liberal, KS 67905-0432

Operator Contact Person Larry L. Smith
Phone (316) 624-6241

Contractor: license # 3098
name Exeter

Wellsite Geologist N/A
Phone

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
042187 042487 050588
Spud Date Date Reached TD Completion Date

2909 2705
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 970 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

ALT

API NO. 15 - 055-20703-0000

County Finney

NW/4 (location) Sec 5 Twp 26S Rge 32

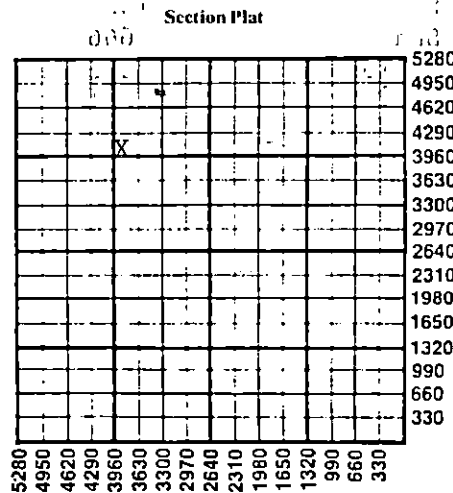
4030 Ft North from Southeast Corner of Section
3675 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Crabb-Millard G.U. Well# 2HI

Field Name Hugoton INFILL

Producing Formation Chase

Elevation: Ground 2872 KB 2882



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain) Purchased from Latham
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months unless otherwise 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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

RECEIVED
STATE CORPORATION COMMISSION

JUN - 8 1988
6/8/88

CONSERVATION DIVISION

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 Larry L. Smith
Title V. K. BRUCE
Date 6-1-88

Subscribed and sworn to before me this 1st day of June 19 88

Notary Public
Date Expires 28-89

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
6-8-88

Form ACO-1
(This form supercedes
previous forms
ACO-1 & C-10)

Sec. 5 Twp. 26. Rge. 32

SIDE TWO

Operator Name ... Amoco Production Co. ... Lease Name Crabb-Millard ... Well# ... 2H SEC. 5 ... TWP. 26S. RGE. 32 ... East West

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Clay & Sand	0	590
Red Bed & Sand	590	975
Red Bed	975	1416
Glorietta Sand	1416	1620
Shale, Sand	1620	1666
Lime & Shale	1666	2350
Lime & Shale	2350	2631
Lime & Shale	2631	2909
TD		2909

Name	Top	Bottom
Herrington	2608	+274
Krider	2641	+241
Winfield	2677	+205
Towanda	2718	+164
Ft. Riley	2779	+103

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	12-1/4	8-5/8	24	970	Class C	305	2%CC
Production	7-7/8	5-1/2	15	2909	Poz. Mix	440	Cello Seal 4%
					Class C	160	Cello Seal 4%

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4	2720-2730		2612-2720
4	2680-2690		
4	2640-2648	12,000 gal of gelled acid	
4	2612-2628		

TUBING RECORD			
size N/A	set at	packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Production	Producing method <input checked="" type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)		
4-14-88			
Estimated Production Per 24 Hours	Oil	Gas	Water
	Bbls	597 MCF	Bbls
			Gas-Oil Ratio
			CFPB

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify)

PRODUCTION INTERVAL: 2612-2720

Dually Completed. Commingled

Amended
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5952
name Amoco Production Company
address P.O. Box 432
City/State/Zip Liberal, KS 67905-0432

Operator Contact Person Larry L. Smith
Phone 316-624-6241

Contractor: license # 3098
name Exeter Drilling Co.

Wellsite Geologist N/A
Phone

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp and
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator N/A
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
To be completed
042187 042487 3rd qtr. 1988
Spud Date Date Reached TD Completion Date

2910 2862
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 970 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15 - 055-20,703 - 0000

County Finney

NW/4 Sec 5 Twp 26S Rge 32 West

4030 Ft North from Southeast Corner of Section
3675 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

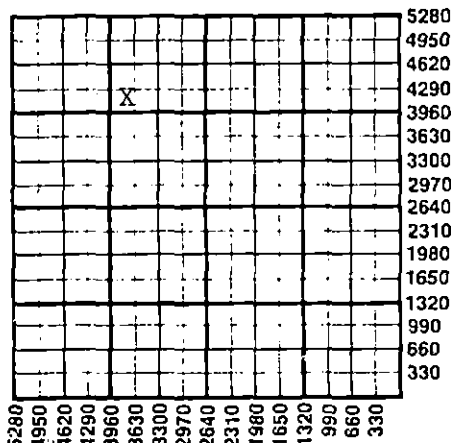
Lease Name Crabb, Millard G. U. Well# 3HJ

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3099 KB 3108

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain) Purchased from Latham
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

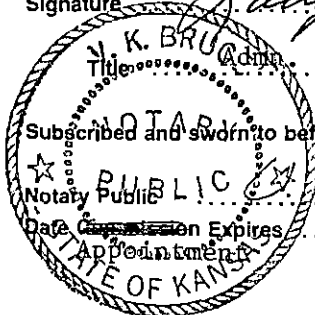
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

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 drillers time log shall be attached with this form. 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 Larry L. Smith
Title Supvr. Date 2-25-88



Subscribed and sworn to before me this 25th day of February 1988

STATE CORPORATION COMMISSION
V. K. Bruce

FEB 26 1988
2/26/88
WICHITA, KANSAS

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)

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec 5 Twp 26S Rge 32W

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Format Log Sample

Clay & Sand	0	590
RedBed & Sand	590	975
RedBed	975	1416
Glorietta Sand	1416	1620
Shale Sand	1620	1666
Lime & Shale	1666	2631
Lime & Shale	2631	2990

Name	Top	Bottom
Herrington	2608	+500
Krider	2641	+467
Winfield	2677	+431
Towanda	2718	+390
Ft. Riley	2779	+329

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	12-1/4	8-5/8	24	970	Class C	305	2%CC
					Class C	130	2%CC
Production	7-7/8	5-1/2	15	2909	65-35	440	Cello-seal 4%
					Western	160	Cello-seal 4%
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
	Waiting on condition procedure						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
size	set at	packer at					
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION open hole perforation other (specify) _____

PRODUCTION INTERVAL _____

Disposition of gas: vented sold used on lease

Dually Completed. Commingled