

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 # 4468
name Arch Development Co., Inc.
address 12000 N. Washington - Suite 210
Thornton, CO 80241
City/State/Zip

Operator Contact Person Stan Haskins
Phone (303) 450-5155

Contractor: license # 682
name Rains & Williamson Oil Co., Inc.

Wellsite Geologist Mark Fernandes
Phone (303) 238-4681

PURCHASER

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
Well Name
Comp. Date Old Total Depth

1-27-86
JAN 27 1986
CONSERVATION DIVISION
Wichita Kansas

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
11-8-85 11-15-85 11-15-85
Spud Date Date Reached TD Completion Date

3960' PBD
Total Depth

Amount of Surface Pipe Set and Cemented at 288' 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 - 039-20,780-00-00

County Decatur

SW NW SE Sec. 29 Twp. 3S Rge. 28 X West

1650 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

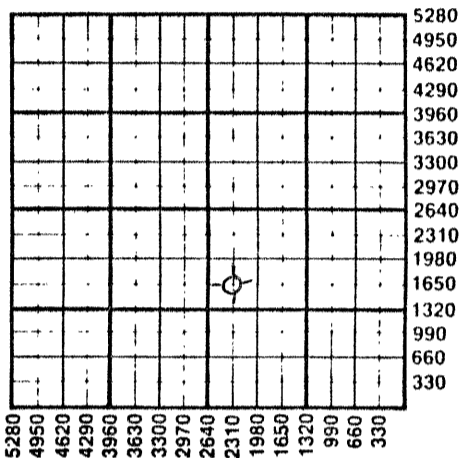
Lease Name Germeroth Well# 1

Field Name

Producing Formation

Elevation: Ground 2730 KB 2736

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 Donald Barratt
(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 Stanley C. Haskins
Title President Date 1/22/86

Subscribed and sworn to before me this 22 day of January 19 86

Notary Public Mary Lou Penfold
Date Commission Expires 7-5-89

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)

Sec. 29 Twp. 3S Rge. 28W

Operator Name Arch Development Co., Inc. Lease Name Well# 1... SEC 29... TWP. 3S... RGE... 28... 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

DST #1
 Times: 10-60-30-60
 Interval Tested: 3734-3800

Name	Top	Bottom
Stone Corral	2418	2452
Heebner	3698	3702
Lansing-K.C.	3742	3923

IHP - 2014
 IFP - 108-108
 IFI - 1201
 FFP - 141-152
 FSI - 1169
 FHP - 1993
 Recovering: 150' oil spotted mud
 60' slightly oil cut mud
 60' oil specked mud

BHT: 116°

DST #2
 times: 10-60-30-60
 Interval Tested: 3817-3837

IHP - 1918
 IFP - 32-32
 ISI - 1480
 FFP - 65-86
 FSI - 1462
 FHP - 1897
 Recovery: 10' oil spotted muddy water
 180' oil specked muddy water
 BHT - Not reported

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#	288'	Common	225 sx.	3% cc.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity		

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION
 open hole perforation other (specify) Dually Completed.

PRODUCTION INTERVAL