

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

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
11-18-85 11-25-85 11-25-85  
Spud Date Date Reached TD Completion Date

3940'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 267' 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. 15-039-20,782-00-00

County Decatur

SW NW NW (location) Sec 13 Twp 3S Rge 29 X West

4290 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

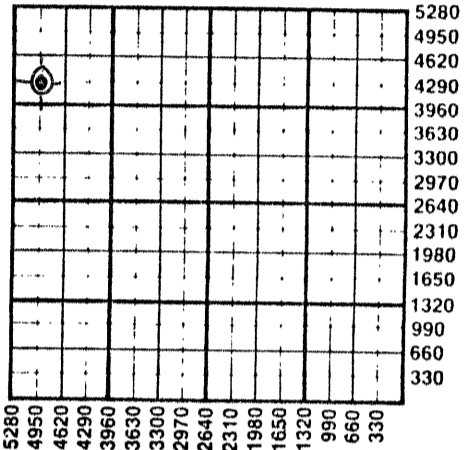
Lease Name Larue Well# 1

Field Name

Producing Formation

Elevation: Ground 2664 KB 2670

Section Plat



127-86

RECEIVED  
STATE CORPORATION COMMISSION

JAN 27 1986

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 Oberlin, #Unknown  
(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 Penfield  
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)

31 W.P. 3 Rec. 29 W

Operator Name Arch. Development Co., Lease Name Larue, Well# 1, SEC. 13, TWP. 3S, RGE. 29  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  
 Interval Tested: 3799-3825  
 Times: 10-60-60-120

Name	Top	Bottom
Stone Corral	2396	2430
Heebner	3656	3660
Lansing-K.C.	3695	3879

IHP - 2068  
 IFP - 163-163  
 ISI - 1330  
 FFP - 195-260  
 FSI - 1276  
 FHP - 2057

RECOVERY: 166' watery mud  
 186' muddy water  
 124' salt water  
 186' mud

BHT - 118°

CASING RECORD <input 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"	23#	267'	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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:  vented  
 sold  
 used on lease

METHOD OF COMPLETION  
 open hole  perforation  
 other (specify)

PRODUCTION INTERVAL

Dually Completed  
 Completed