

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

5

Operator: License # 5313  
F & M OIL CO., INC.  
Name 422 Union Center  
Address  
Wichita, Ks. 67202  
City/State/Zip

Purchaser None

Operator Contact Person Ronald S. Schraeder  
Phone (316) 262-2636

Contractor: License # 5103  
Union Drilling Co., Inc.  
Name

Wellsite Geologist Roger Fisher  
Phone (316) 265-0341

Designate Type of Completion  
X New Well Re-Entry Workover  
Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

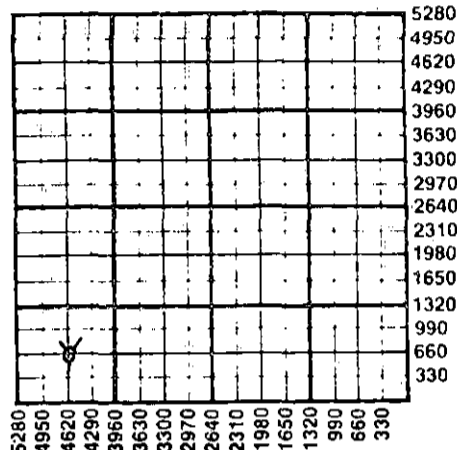
Drilling Method: X Mud Rotary Air Rotary Cable  
3-2-81 3-10-81 5-7-81  
Spud Date Date Reached TD Completion Date  
4515' 4515'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 310 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

API NO. 15-095-21,057-0000  
County Kingman  
C. SW. SW. Sec. 17. Twp. 27S. Rge. 7W. xx East West  
660  
Ft North from Southeast Corner of Section  
4620 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Arnold Well # 2  
Kingman West  
Field Name  
Producing Formation None  
Elevation: Ground 1578' 1583' KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water: Not required when drilled.  
Division of Water Resources Permit #

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

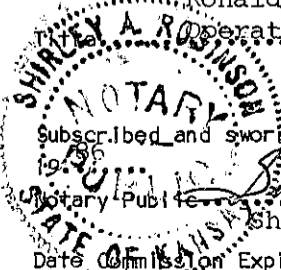
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

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

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 X Ronald S. Schraeder  
Ronald S. Schraeder  
Operations Manager Date 12-24-86



Subscribed and sworn to before me this 24th day of December  
Shirley A. Robinson  
Notary Public  
Date Commission Expires 12-24-88

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)

STATE CORPORATION COMMISSION

DEC 29 1986

Form ACO-1 (5-86)

CONSERVATION DIVISION  
Wichita, Kansas

12-29-86

Sec 17. Twp 27S. Rge 7W

SIDE TWO

Operator Name F. & M. OIL CO., INC. Lease Name Arnold Well # 2

Sec. 17 Twp. 27S Rge. 7W  East  West County Kingman

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 3927-35', Mississippi  
 30-30-45-60, stg blow for 30", GTS in 35", gauged 40" 1770 CFG, 50" 1830 CFG, 60" 1770 CFG, 70" 1770 CFG, rec 150' GCM, FP's 66-66#, SIP's 1298-1254#.

DST#2 3935-45', Mississippi  
 45-45-45-45, gd blow, GTS in 34", gauged 40" 1500 CFG, 2nd open 10" 1600 CFG, 20" 1330 CFG, 30" & 40" 1330 CFG, rec 170' GCM, 180' GCMW, FP's 88-132#, SIP's 1188-1122#.

Name	Top	Bottom
<u>Electric Log Tops:</u>		
Heebner	2975	(-1392)
Lansing	3228	(-1645)
B/KC	3706	(-2123)
Mississippi	3924	(-2341)
Viola	4275	(-2692)
Simpson Sd	4290	(-2707)
Arbuckle	4390	(-2807)
LTD	4502	(-2919)
RTD	4515	(-2932)

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"		310'	common	250	2% gel, 3% CC
Production	7-7/8"	5 1/2"		4388'	pozmix	200	60/40, 2% gel, 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	
				10,000# 20/40 sand & 5000#			
				10/20 sand			
				1500 gals. 15% acid		3930-35'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2-3/8"		Set At 4357'		Packer at 4350'			
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

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

