

SIDE ONE

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 Co.
Address P. O. Box 432
City/State/Zip Liberal, KS 67901

Purchaser: Kansas Power & Light
Permian Corporation

Operator Contact Person Phil Lehrman
Phone 316-624-6241

Contractor: License # 5987
Name Service Drilling Company

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
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

11-20-81 12-02-81 4-7-82
Spud Date Date Reached TD Completion Date
5700 5300
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1664 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. 15-081 20251-00-00

County Haskell

Sec 7 Twp 30S Rge 33 East West

4620 Ft North from Southeast Corner of Section
4520 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)
Watkins Gas Unit "F" 3

Lease Name E. M. Watkins Well # 4

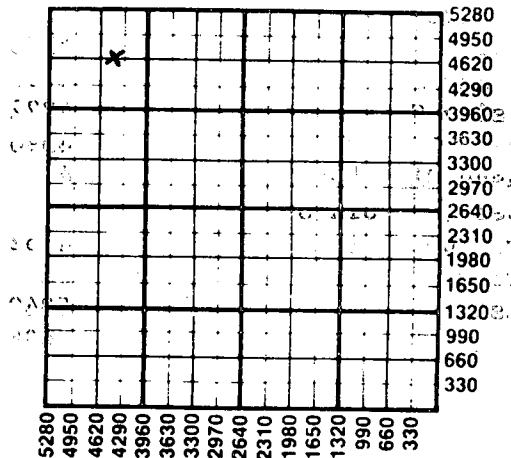
Field Name Lemon West

E. M. Watkins #4, Wakis G.U.F#

Producing Formation Kansas City A; Morrow

Elevation: Ground 2975 KB 2983

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit #

- Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner 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 (purchased from city, R.W.D. #)

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. Rule 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.

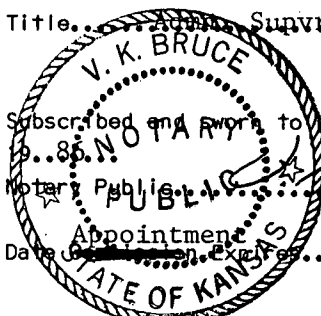
Signature Phil Lehrman Phil Lehrman

Title: Admin. Supvr Date 5-12-86

Subscribed and sworn to before me this 12th day of May 1986

Notary Public V. K. Bruce

Appointment 4-28-89



STATE CORPORATION COMMISSION

MAY 13 1986

CONSERVATION DIVISION
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 (7-84)

Sec. 7, Twp. 30Rge. 33W

Operator Name Amoco Production Company Lease Name E. M. Watkins Well # 4

Sec. 7 Twp. 30S Rge. 33 East West County Haskell

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	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Toronto	3996		Name: Sand, Shale, Gypsum Top: 0 Bottom: 1385
Missourian	4052		Name: Sand, Gypsum Top: 1385 Bottom: 1840
Lansing A	4125		Name: Anhydrite Top: 1840 Bottom: 2430
Lansing B	4182		Name: Gypsum Top: 2430 Bottom: 2440
Lansing C	4222		Name: Anhydrite Top: 2440 Bottom: 2480
Kansas City "A"	4590		Name: Gypsum Top: 2480 Bottom: 2490
Kansas City "B"	4650		Name: Anhydrite Top: 2490 Bottom: 2524
Upper Des Moines	4750		Name: Gypsum Top: 2524 Bottom: 2534
Lower Des Moines	4862		Name: Anhydrite Top: 2534 Bottom: 2732
Morrow	5234		Name: Anhydrite, Gypsum Top: 2732 Bottom: 2796
Chester	5340		Name: Anhydrite Top: 2796 Bottom: 2810
St. Louis	5436		Name: Shale Top: 2810 Bottom: 2838
			Name: Anhydrite Top: 2838 Bottom: 2844
			Name: Lime, Shale Top: 2844 Bottom: 4900
			Name: Chert Top: 4900 Bottom: 4980
			Name: Lime, Shale, Chert Top: 4980 Bottom: 5300
			Name: Sand, Shale Top: 5300 Bottom: 5480
			Name: Lime Top: 5480 Bottom: 5700

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	9-5/8"	36	1664.3	Class H	950	2% CC
Production	8-7/8	7"	23	5708.3	Poz	400	
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	4593-97			500 Gal 15% HCL Acid		4593-97	
4	5240-66			and 100 lbs benzoic acid flakes			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2-3/8"		Set At 4588-5226		Packer at 4772			
Date of First Production		Producing Method					
12-31-81		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil Morrow	Gas Morrow	Water	Gas-Oil Ratio	Gravity	
0		0	6500				
22 Bbls		Kansas City A	Kansas City A	32 Bbls		CFPB	

METHOD OF COMPLETION

Production Interval

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

E. M. Watkins #4
Kansas City A
4593-4597
Watkins G.U. F#3
Morrow
5240-5266