

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 # 4689
Name Thomas C. Lutz
Address Drawer AR
City/State/Zip Shell Knob, Missouri 65747

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person H.L. Maddox Tom Lutz
Phone 316-653-4178 417-858-3792

Contractor: License # 5032
Name Red Tiger Drilling Company

Wellsite Geologist Rod Tremblay
Phone 2916 27th St. Great Bend, KS

Designate Type of Completion

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:

Mud Rotary Air Rotary Cable

8/26/86 9/3/86 10-1-86
Spud Date Date Reached TD Completion Date
4,575'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 323 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set... feet
If alternate 2 completion, cement circulated from 1950 feet depth to surface 300 cmt

API NO. 15-135-23,050-000
County Ness
NE/4 SW/4 NE/4 24 16S 26W East
Sec Twp Rge West

3630 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

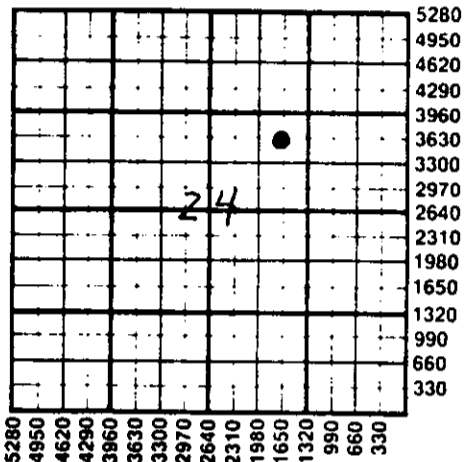
Lease Name McKinnis 'A' Well # 2

Field Name Arnold SW

Producing Formation Mississippi

Elevation: Ground 2588 KB 2593

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 of Sec Twp Rge East West

Surface Water 4600 Ft North from Southeast Corner (Stream, pond, etc.) 2500 Ft West from Southeast Corner Sec 24 Twp 16S Rge 26 East West

Ermon McKinnis, Utica, Kansas 67584
 Other (explain)
(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 [Signature]
Title Operator/Owner Date 12/10/86

STATE OF MISSOURI
COUNTY OF BARRY

Subscribed and sworn to before me this 10th day of DECEMBER 1986

Notary Public Barbara A. Williams
BARBARA A. WILLIAMS

Date Commission Expires NOVEMBER 4, 1987

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)

Sec. 24 Twp. 16. Rge. 26 W

SIDE TWO

Operator Name Thomas C. Lutz Lease Name McKinnis "A" Well # 2

Sec. 24 Twp. 16S Rge. 26W East West County Ness

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

Name	Top	Bottom
Anhydrite	1978	+615
Heebner	3871	-1278
Toronto	3888	-1295
Lansing	3912	-1319
Stark	4154	-1561
Base Kansas City	4213	-1620
Marmaton	4254	-1661
Pawnee	4344	-1751
Fort Scott	4413	-1820
Cherokee	4444	-1851
Conglomerate	4486	-1893
Mississippi	4510	-1917
Mississippi Dolomite	4517	-1924
R.T.D.	4575	-1982
L,T,D,	4579	-1986

CASING RECORD New 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#	329'	60/40 Poz	215	2% Cel 3% CC
Production	7 7/8"	5 1/2"		4,574'	Common	200	20 Bbls Salt Flush

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2 SPF	4517-4524 4528-4532		
	4" casing gun		

TUBING RECORD	Size 2 3/8	Set At 4550	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production 10-15-86	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....
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Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
8 Bbls		MCF	15 Bbls		CFPB

METHOD OF COMPLETION

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

Production Interval

CENTRAL WIRELINE SERVICE

P.O. BOX 1547 Great Bend, Kansas 316-793-5762

TEMPERATURE SURVEY

Date 9 / 11 / 86

TKT #2261

Company Thomas C Lutz

Address P.O. Box D City Shell Knob State Mo

Contractor None Place Utica 2e 3/4n w/loc

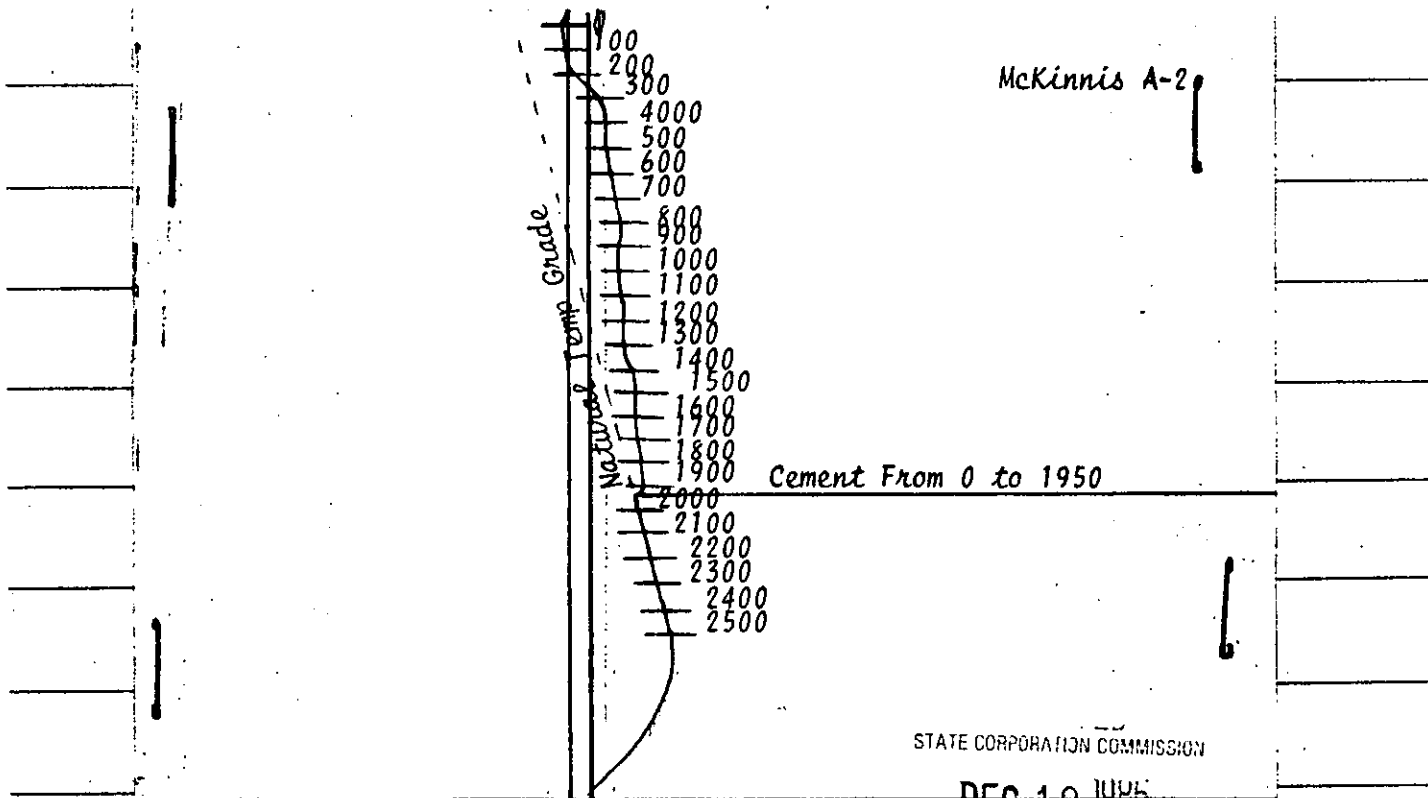
Lease McKinnis Well No A-2 County Lane Sec _____ Twp _____ Range _____

Depth Well Backside Depth Casing Sqz Shoe Jt _____ Size 5 1/2 Weight _____ Hole Size 7 7/8

Amount Cement 300 4x Lite Cementing Co. Halliburton Services

Survey from 0 To 2500 ft

Details Cement from 0 to 1950 ft. Stopped survey at 2500 ft. Ran survey at 100 ft every 60 seconds. Zeroed at GL.



STATE CORPORATION COMMISSION

DEC 12 1986

CONSERVATION DIVISION
Wichita, Kansas