

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 # 6033
Name Murfin Drilling Company
Address 250 N. Water, Suite 300
City/State/Zip Wichita, KS 67202

Operator Contact Person L. O. Butner
Phone 316-267-3241

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Rich Bell
Phone 913-674-5835

PURCHASER Richhart Pipeline

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Ab
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-7-84 9-14-84 11/07/84
Spud Date Date Reached TD Completion Date
3888' RTD 3834'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 260 feet

Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2103 feet

If alternate 2 completion, cement circulated from 2103 feet depth to surf w/ 425 SX cmt

API NO. 15-039-20,726-00-00
County Decatur
100' W/NW NW NW Sec. 16 Twp. 3S Rge. 26 East West

4950 Ft North from Southeast Corner of Section
4850 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

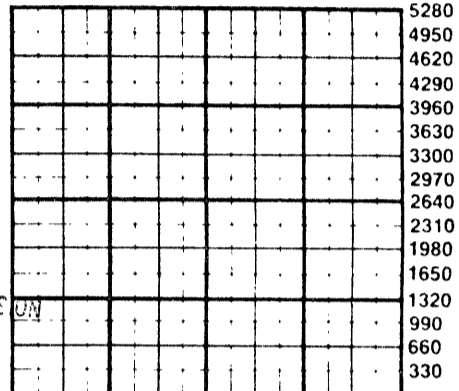
Lease Name Lippelmann Well # 4-16

Field Name Lippelmann
L/KC K, J, H, D, C, A &

Producing Formation Toronto

Elevation: Ground 2538' KB 2543'

Section Plat



11-26-84

RECEIVED
STATE CORPORATION COMMISSION

NOV 26 1984

CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

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 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.#)

Disposition of Produced Water: Disposal Repressuring

Docket # CR1811

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.

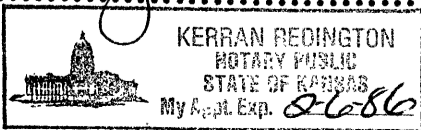
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature By: Wm. S. Shropshire

Title Wm. S. Shropshire, Asst. Gen. Mgr Date 11/19/84

Subscribed and sworn to before me this 19 day of Nov. 1984

Notary Public: Kerran Redington
Date Commission Expires: 2/6/86



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Murfin Drilling Lease Name Lippelmann Well# 4-16 SEC. 16 TWP. 3S RGE. 26 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: 3395-3434' - misrun. Rec 250' sl OCMW.
 FP: 154-164#.

DST #2: 3428-3486'/30-45-60-90. Rec 1140' gsy
 frothy O, 110' GOCM. HP: 1864-1843#.
 SIP: 1175-1175#. FP: 154-351/384-515#.

DST #3: 3773-3836'/30-45-60-90. Rec 570' MW.
 HP: 2134-2112#. SIP: 1024-1024#.
 FP: 164-219/230-307#. BHT: 110°.

Core #1: 3613-3672': recovered 56-1/2"

Name	Top	Bottom
Topeka	3260'	
Oread	3398'	
Heebner	3428'	
Toronto	3458'	
Lansing	3472'	
B/KC	3666'	
Cherokee	3776'	
Granite Wash	3995'	

RELEASED
JUN 05 1986
FROM CONFIDENTIAL
 6-5-86

Prod. csg: 4 1/2" - 10.5# set at 3877'. 1st stage L 175 sx. 50-50 Pozmix w/10% salt, 3/4% CFR-2, 2% gel, 1/4#/sx. flocele, 10#/sx. gilsonite, 35 gal. latex in last 100 sx. 2nd stage: 425 sx. Howcolite w/7#/sx. gilsonite and 1/4#/sx. flocele.

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#	260'	Sunset	200	
Prod. Csg.	7-7/8"	4 1/2"	10.5#	3877'	see above		
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	3645 1/2 - 48 1/2'			1810 gal. MOD-202		all zones	
4	3636 - 38'			90 gal.		3645 1/2 - 48 1/2', 3636 - 38'	
4	3617 - 19'			250 gal.		3617 - 19'	
4	3580 - 86'			250 gal.		3512 - 16'	
4	3512 - 16'			250 gal.		3498 - 3500'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
11/15/84		<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	Gas	Water	Gas-Oil Ratio	Gravity	
		94	---	4	---	---	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval see above

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