

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 # 5474  
name Northern Lights Oil Co.  
address 212 N. Market, Suite 400  
Wichita, Kansas 67202  
City/State/Zip Wichita, Kansas 67202

Operator Contact Person John W. Sutherland, Jr.  
Phone (316) 263-1008

Contractor: license # 5651  
name Mallard Drilling Co., Inc.

Wellsite Geologist Gerald D. Honas  
Phone 263-2093

PURCHASER Clear Creek, Inc.  
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  
6/14/84 6/21/84 6/22/84  
Spud Date Date Reached TD Completion Date

4644  
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 8 5/8" 334.97 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated  
from 334.97 feet depth to surface w/ SX cmt

API NO. 15 - 101-20,973 - 00-00  
County Lane  
SW SW SE Sec 27 Twp 17S Rge 27 West

330 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

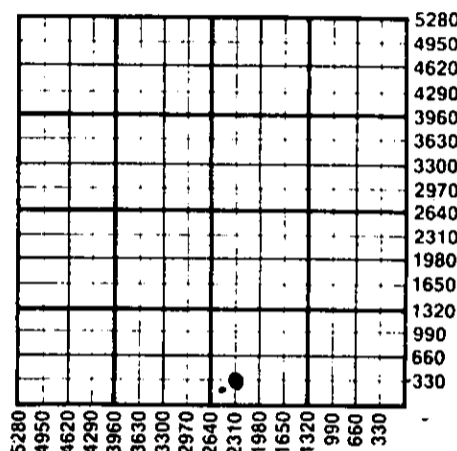
Lease Name Mumma Well# 1

Field Name Whipple

Producing Formation Mississippi

Elevation: Ground 2683 KB 2691

Section Plat



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 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 John W. Sutherland  
Title General Partner Date 6/26/84

Subscribed and sworn to before me this 26 day of June 19 84

Notary Public Kristy A. Gerstner  
Date Commission Expires November 18, 1985



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)

Sec 27 Twp 17S Rge 27W

Operator Name Northern Lights Oil Co. Lease Name Mumma Well# 1 SEC 27 TWP 17S RGE 27  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

Name	Top	Bottom
Anhydrite	2072	( +619)
Lansing	3983	(-1292)
Base KC	4328	(-1637)
Cherokee Shale	4532	(-1841)
Mississippi	4613	(-1922)

DST #1 4230-4260'  
 30"-30"-30"-45"  
 Recovered: 1100' of gas, 45' of clean gassy oil,  
 240' of muddy oil, 60' muddy water.  
 IFP 88 -121# ISIP - 495#  
 FFP 176 - 187# FSIP - 517#  
 BHP - 495/517#

DST #2 4583-4620'  
 30"-45"-60"-60"  
 Recovered: 60' of gas in pipe, 10' clean oil, 200'  
 muddy water.  
 IFP - 77 - 99# ISIP - 941#  
 FFP - 121 - 154# FSIP - 800#

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
sur. casing	12 3/4"	8 5/8"		334.97'	60-40 poz	210	3% cc, 2% gel
prod. casing	7 7/8"	4 1/2"		4644'	60-40 poz	150	10% 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
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing method <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		
	15 Bbls	0 MCF	80 Bbls				

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION  open hole  perforation  other (specify) .....

PRODUCTION INTERVAL  Dually Completed.  Commingled