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

CONFIDENTIAL

COPY

API NO. 15- 055-21695-0000

Operator: License # 5474

Name: Northern Lights Oil Co., L.C.

Address P.O. Box 164

City/State/Zip Andover, KS 67002

Purchaser: will be- oneok

Operator Contact Person: Kurt Smith

Phone (316) 733-1515 KCC

Contractor: Name: Mallard JV

License: 4958

Wellsite Geologist: Kurt Smith

County Finney

w/2 - w/2 - sw/4 - Sec. 34 Twp. 22S Rge. 33 E/W

1320 Feet from S/N (circle one) Line of Section

1330 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Lilly Well # 1

Field Name Hougoton

Producing Formation Krider

Elevation: Ground 2891 KB 2896

Total Depth 4886 PBTD 2904'

Amount of Surface Pipe Set and Cemented at 272 Feet

Multiple Stage Cementing Collar Used? ____ Yes XX No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from 2904

feet depth to surface w/ 550 sx cmt.

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR XXX SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: ____

Well Name: ____

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

10-16-00 10-25-00 10-25-00
Spud Date Date Reached TD Completion Date

CONFIDENTIAL
JAN 29 2001
CONSERVATION DIVISION

Drilling Fluid Management Plan ALT 2 JH 02/15/02
(Data must be collected from the Reserve Pit)

Chloride content 3400 ppm Fluid volume 6000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name RELEASED

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County FROM CONFIDENTIAL Docket No. ____

KANSAS CORPORATION COMMISSION
RECEIVED
JUL 10 2002

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 ____

Title Exploration Manager Date 1-26-01

Subscribed and sworn to before me this 26 day of Jan. 01.

Notary Public Janie S Hampton

Date Commission Expires ____ JANIE S. HAMPTON

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ____ Geologist Report Received

Distribution
____ KCC ____ SWD/Rep ____ NGPA
____ KGS ____ Plug ____ Other (Specify)

SIDE TWO

Operator Name Northern Lights Oil Co., llc Lease Name Lilly Well # 1

Sec. 34 Twp. 22s Rge. 31w ☐ East ☒ West County Finney

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 (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run: CDN/DInd

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Anhydrite	2040	
Krider	2696	
LKC	4038	
Morrow Shale	4785	
Morrow Sand	4796	
Mississippian	4828	

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	272	60/40poz	225	2%ge13%cc
Production	7 7/8	4 1/2	10 1/2	2904	60/40Pz1	425	
					Class C	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2694-2704	1000gal 15%FE	2704
		Frac- 14,500 gal Hydravis	2704
		20,000# 20/40 sand	

TUBING RECORD Size 2 3/8 Set At 2734 Packer At | Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. SI - waiting on hook up

Producing Method ☒ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		100	75		

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval 2696-2704