

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

S

API NO. 15-135-23,089-00-00

County Ness

SE SE NE Sec 4 Twp 17S Rge 21W East West

2970 Ft North from Southeast Corner of Section

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

Lease Name Derr Well # 1

Field Name Wildcat

Producing Formation

Elevation: Ground 2228 KB 2237

Operator: License # 5474
Name Northern Lights Oil Co.
Address 212 N. Market, Suite 400
City/State/Zip Wichita, Kansas 67202

Purchaser

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

Contractor: License # 4958
Name J. V. Mallard, Inc.

Wellsite Geologist Robert E. O'Dell
Phone 264-8473

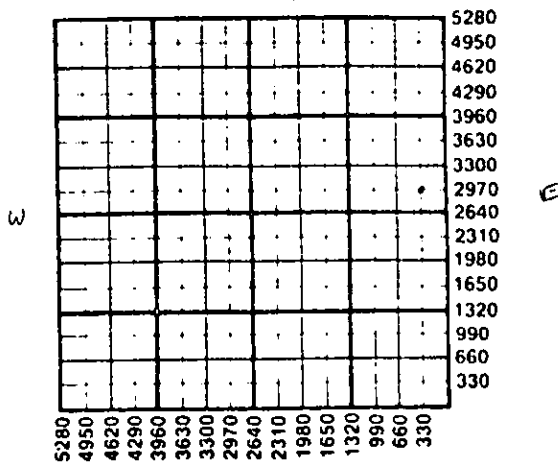
Designate Type of Completion
X New Well Re-Entry Workover
Oil SWD Temp Abd
Gas Inj Delayed Comp.
X Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable
12/19/86 12/27/86 12/27/86
Spud Date Date Reached TD Completion Date
4246
Total Depth PBTD 8 5/8" 320'
Amount of Surface Pipe Set and Cemented at feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

Section Plat N



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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 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. #)

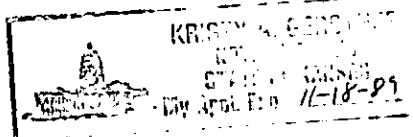
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 1/7/87

Subscribed and sworn to before me this 7 day of January 1987
Notary Public Kristy A. Gerstner
Date Commission Expires 11/18/89

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)



01-23-1987 (5-86)
JAN 23 1987
CONSERVATION DIVISION
Wichita, Kansas

Sec. 4 Twp. 17S Rge. 21W

Operator Name Northern Lights Oil Co. Lease Name Derr Well # 1

Sec. 4 Twp. 17S Rge. 21W East West County Sheridan

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	1515	(+722)
Heebner	3642	(-1405)
Lansing	3682	(-1445)
BKC	3955	(-1718)
Upper Pawnee	4029	(-1792)
Labette Shale	4117	(-1880)
Ft. Scott	4132	(-1895)
Cherokee Shale	4147	(-1910)
Cherokee "A" Sand	4149	(-1912)
Cherokee "B" Sand	4176	(-1939)
Mississippian	4227	(-1990)
Total Depth	4246	(-2009)

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"	8 5/8"	23#	317.76	60/40 poz	175	3% CC, 2% gel
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 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		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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