

D 11-19-87

SIDE ONE

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 Ste 400
City/State/Zip Wichita, KS 67202

Purchaser N/A

Operator Contact Person John Jay Darrah, Jr.
Phone 316/263-2243

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

Wellsite Geologist Bill Shepherd
Phone 316/263-5495

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11-12-87 11-18-87 11-19-87
Spud Date Date Reached TD Completion Date
4235
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 11 jts 307 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 50322

API NO. 15-135-23.182-00-00
County Ness
C. SE SE Sec. 4 Twp. 17S Rge. 21 East West

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

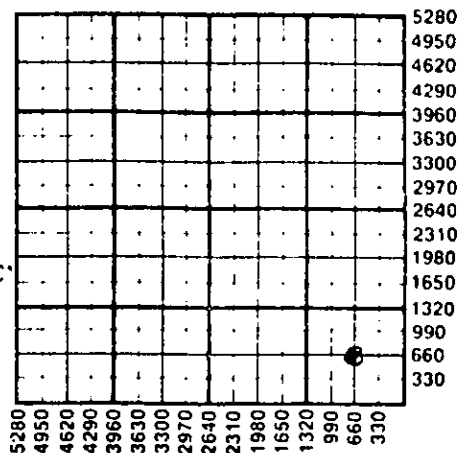
Lease Name Thompson Well # 1

Field Name WC

Producing Formation N/A

Elevation: Ground 2222 KB 2230

Section Plat



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 -Keller Tank Serv. Zurich, KS (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 Jay Darrah, Jr.
Title Agent Date 12/28/87

Subscribed and sworn to before me this 28th day of December 1987.
Notary Public Dorene K. Dunn
Date Commission Expires 10/13/89



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)

Sec. 4 Twp. 17 Rge. 21

SIDE TWO

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

Sec. 4 Twp. 17S Rge. 21 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
DST #1 - misrun		
DST #2 - 4101'-4151'; 30/30/30/30 Weak blow throughout. Recovered 260' mud w/few oil specks. ISIP 586, FSIP 540 IFP 91-100, FFP 146-164	Anhydrite 1525 Heebner 3532 Lans/KC 3673 B/KC 3941 U. Pawnee 4018	3632 3673 3941 4018 4035
DST #3 (straddle) 4096'-4150', packer failed so tested 4096'-4235'; 195/30, fair to good blow off bottom of bucket in 18 min. Recovered 680' of muddy water, no oil shows. No initial shut in pressure taken, FSIP 540; FP 100-384	Pawnee 4035 Ft. Scott 4116 Cherokee Sd 4136 Miss. Ls. 4176 Miss. Chert. 4195 LTD 4234	4116 4136 4176 4195 4234

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
Surf	12-1/4"	8-5/8	24#	307.26	60/40	140	3% cc/2% ge
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	N/A			N/A			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Set At		Packer at		Liner Run	
N/A		N/A		N/A		N/A	
Date of First Production		Producing Method					
N/A		<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		
	N/A	N/A	N/A	N/A			
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval
 NOT APPLICABLE

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

DRILLERS' LOG

COMPANY: Northern Lights Oil Co. WELL: Thompson #1
 CONTRACTOR: Mallard JV Inc. API#: 15-135-23,182
 P.O. Box 1009
 McPherson, KS 67460 LOCATION: C SE SE
 COMMENCED: November 12, 1987 Sec. 4, Twp. 17S, Rge. 21W
 COMPLETED: November 19, 1987 COUNTY: Ness
 TOTAL DEPTH: 4235' ELEVATION: 2222' G. L.
2230' K. B.

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Surface	<u>0</u>	<u>313'</u>
Shale	313	1528
Anhydrite	1528	1562
Shale	1562	3131
Shale, Lime	3131	3865
Lime	3865	4029
Sand, Lime	4029	4235 R.T.D. Mississippi

REMARKS

Cut 12 1/4" hole to 313' and ran 11 joints 8-5/8" x 24# x 297.76' surface casing. Set at 307.26' and cemented with 140 sacks 60/40 Pozmix, 3% cc, 2% gel. Cement did circulate. P.D. at 9:00 p.m. 11/12/87.

Ran 3 DST's and electric log.

Plugged hole with 205 sx 60/40 Pozmix, 6% gel as follows:
 1st plug at 1560' w/50 sx
 2nd plug at 800' w/80 sx
 3rd plug at 300' w/40 sx
 4th plug at 40' w/10 sx to surface
 15 sx R.H. 10 sx M.H.

NOV 20 1987

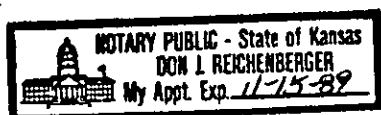
McPHERSON
 MISSOURI 67460

STATE OF KANSAS)
) SS:
 COUNTY OF McPHERSON)

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Thompson #1 well as reflected by the files of Mallard Drilling.

Bryan Hess
 Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 30th day of November, 1987.



Don J. Reichenberger
 Notary Public
11-15-89
 My Commission Expires: