

ORIGINAL

SIDE ONE

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

API NO. '15- 135-23,472 -00-00

County NESS
SW NW NW Sec. 31 Twp. 16S Rge. 2E East XX West

Operator: License # 5474

4290' Ft. North from Southeast Corner of Section

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

4950' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address P.O. Box 164

Lease Name Thompson "B" Well # 2

Andover, KS 67002

Field Name Unnamed

City/State/Zip

Producing Formation Cherokee

Purchaser: CLEAR CREEK INC.

Elevation: Ground 2359 KB 2367

Operator Contact Person: John W. Sutherland, Jr.

Total Depth 4400 PBTD -- 4368

Phone (316) 733-1515

Contractor: Name: Mallard J.V.

License: 4958

Wellsite Geologist: Kurt L. Smith

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OMO: old well info as follows:

Operator: _____

Well Name: _____

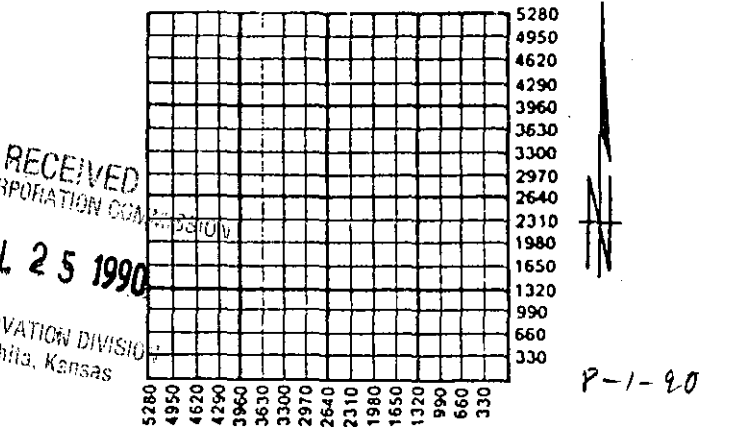
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

6-30-90 7-7-90 7-7-90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 270 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1670' Feet

If Alternate II completion, cement circulated from 1670'

feet depth to SURFACE w/ 300 sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]
Title General Partner Date 7-24-90

Subscribed and sworn to before me this 24th day of July, 19 90.

Notary Public [Signature] Kurt L. Smith

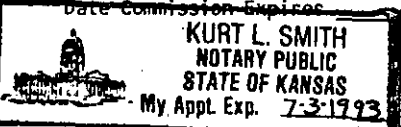
Date Commission Expires 7-3-1993

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)



ORIGINAL

SIDE TWO

Operator Name Northern Lights Oil Co., L.P. Lease Name Thompson "B" Well # 2

Sec. 31 Twp. 16S Rge. 22 East West County Ness

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name Top Bottom
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
"attached"		Anhydrite 1646 Heebner 3758 Lansing-KC 3800 BKC 4062 Pawnee 4144 Labette SH 4238 Ft. Scott 4238 Cherokee SH 4260 Erosional Miss 4330

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	20#	270'	60/40 P07	155	2%gel3%cc
Production	7 7/8	5 1/2	14#	4401	EH-2	125	10#Gilsonite-sx 18%salt,5%CAL seal 1/2% CFR-2

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4263-4265	(Natural)	

TUBING RECORD	Size <u>2 7/8</u>	Set At <u>4102.25</u>	Packer At <u>----</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production <u>7-20-1990</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil <u>100</u> Bbls.	Gas <u>---</u> Mcf	Water <u>-----</u> Bbls.	Gas-Oil Ratio <u>-----</u>	Gravity <u>39</u>
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

ORIGINAL

DST #1 (CHEROKEE "A" SAND)
4257-4272
15-0-0-0
Strong Blow of Bottom in 1 1/2 MIN.
REC:

120' OCW (20% Oil)
60' OCW (40% Oil)
150' CO
60' OCW (35% Oil)
300' SOCW (5% Oil)

690' Total Fluid

IFP: 108-255

Chlorides: Test-57,000

ISIP:--

Mud- 4,000

FFP:--

FSIP:--

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DST #2 (CHEROKEE "C" SAND)
4294-4312
20-0-0-0
Strong Blow of Bottom in 9 MIN.
REC:

120' socw (4% Oil)
330' Wtr.

450' Total Fluid

IFP: 111-177

Chlorides: Test= 60,000

ISIP:--

Mud-4,000

FFP:--

FSIP:--

RECEIVED
STATE CORPORATION COMMISSION

JUL 25 1990

CONSERVATION DIVISION
Wichita, Kansas

MALLARD JV, INC.
P.O. BOX 1009
McPHERSON, KS 67460

ORIGINAL

DRILLERS' LOG

OPERATOR: Northern Lights Oil Company
P.O. Box 164
Andover, KS 67002

WELL: Thompson "B" #2

API#: 15-135-23,472

COMMENCED: June 30, 1990

LOCATION: SW NW NW

COMPLETED: July 7, 1990

4290 Ft. FSL, 4950 Ft. FEL

TOTAL DEPTH: 4400 Ft.

SEC. 31 TWP. 16 S RGE. 21 W

ELEVATION: 2359 Ft. G.L.

COUNTY: Ness

2367 Ft. K.B.

Oil --- Mississippi Formation

REMARKS:

Cut 12 1/4" hole to 270' and ran 6 joints 8-5/8" x 20# x 260.16' surface casing. Set at 269.76' and cemented with 155 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. 8:15 p.m. 6-30-90.

Ran 2 DSTs and electric log.

R.T.D. 7-7/8" hole at 4400'. Ran 128 joints 5 1/2" x 14# x 4402.95' production casing. Set at 4401' and cemented as follows:

1st stage - 125 sacks EH-2, 10# Gilsonite/sx,
18% salt, 5% calseal, 1/2% CFR-2

2nd stage - 300 sacks HLC, 1/4# Floseal/sx.

Cement did circulate. P.D. 7:00 p.m. 7-7-90

STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

I, James H. Hess of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Thompson "B" #2 well as reflected by the files of Mallard JV, Inc.

James H. Hess
James H. Hess

Subscribed and sworn to before me this 18th day of July, 1990.



Bryan K. Hess
NOTARY PUBLIC

RECEIVED
STATE CORPORATIONS COMMISSION
JUL 25 1990
CONSERVATION DIVISION
Wichita, Kansas

483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o 8018

Home Office P. O. Box 31

Russell, Kansas 67665

Date	6-30-90	Sec.	31	Twp.	16	Range	21	Called Out	4:00 P.M.	On Location	6:00 P.M.	Job Start	8:00 P.M.	Finish	8:15 P.M.
Lease	Well No.		B ⁿ 2		Location			Brownell 2E 1/4 S		County		Treas		State	
Contractor	Mallard J.V. Inc.							Owner Northern Lights Oil Co.							
Type Job	Surface							To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		I.D. 270'												
Csg.	2 3/4		Depth 269'												
Tbg. Size	7 1/2		Depth												
Drill Pipe	7 1/2		Depth												
Tool	7 1/2		Depth												
Cement Left in Csg.	15		Shoe Joint												
Press Max.			Minimum												
Meas Line	MO		Displace <input checked="" type="checkbox"/> 16.5												
Perf.															

EQUIPMENT

Ness City	
No.	Cementer
Pumptrk #158	Helper
No.	Cementer JAYSON D.
Pumptrk	Helper BILL S.
	Driver BIL LOVELL
Bulktrk #199	
Bulktrk	Driver

DEPTH of Job

Reference:	Pumptrk charge
	Mileage
	1 8 5/8 TWP
	Sub Total
	Tax
	Total

Remarks: Common Sid circulate

Thank You

CEMENT

Amount Ordered 155 dx ⁶⁰/₁₀ 2% gel 3% CC

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

STATE APPROBATION COMMISSION

AUG - 1 1990

CONSERVATION DIVISION
Wichita, Kansas

Sales Tax

Sub Total

Total

Floating Equipment

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 005651

-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Thompson B-2	COUNTY Ness	STATE Kansas
CHARGE TO Northern Lights Oil Co.		OWNER Same	CONTRACTOR No. B 850032	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 30325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S/E Brownell, Ks.	TRUCK NO. 31232 3703	RECEIVED BY <i>J. D. Kuhn</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
304-316				Haliburton Light Cement /	300				5.21	1,563 00
504-308	526.00261	2	B	Standard Cement	125				5.45	681 25
509-968	516.00158	2	B	Salt blended	1575	1b			.09	141 75
507-153	516.00161	2	B	CFR-3 Blended	59	1b			3.90	230 10
508-127	890.50131	2	B	Cal Seal Blended	67	1b			18.40	110 40
507-210	890.50071	2	B	Flocele Blended	75	1b			1.30	97 50
508-292	3015573	2	B	Gilson Ke Blended	1250	1b			4.2	525 00
509-554	516.50031	2	B	Haliburton Gel on side	1325				13.25	27 50
<p>RECEIVED STATE HIGHWAY DEPARTMENT COMMISSION AUG - 1 1990 CONSERVATION DIVISION Wichita, Kansas</p>										
Returned Mileage Charge		TOTAL WEIGHT			LOADED MILES		TON MILES			
SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET			
500-207		2	B	SERVICE CHARGE				461 486	1.10	507 10 534 60
500-306		2	B	Mileage Charge	41,719 43,169	26		542.367 566.197	.75b	606 76 420 90
No. B 850032		CARRY FORWARD TO INVOICE			SUB-TOTAL				3,737 86 4,337 00	

CUSTOMER