

ORIGINAL

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

Operator: License # 5474  
Name: Northern Lights Oil Co. L.P.  
Address P.O. Box 164  
Andover, KS 67002  
City/State/Zip  
Purchaser: Texaco  
Operator Contact Person: Kurt Smith  
Phone (316) 733-1515  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: KURTF.L. SMITH

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl. Cased, 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 \_\_\_\_\_ PBTB  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
4-23-93 5-2-93 5-25-93  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,743  
County Ness  
250' N of \_\_\_\_\_ E  
SE- NW- NE- \_\_\_\_\_ Sec. 6 Twp. 17 Rge. 22 X W  
740 Feet from S(N) (circle one) Line of Section  
1650 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 Higgins Well # 2  
Field Name Weeks NE Extension  
Producing Formation Cherokee  
Elevation: Ground 2379 KB 2387  
Total Depth 4450 PBTB 4400  
Amount of Surface Pipe Set and Cemented at 268 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1712 Feet  
If Alternate II completion, cement circulated from 1712  
feet depth to Surface w/ 387 sx sx cnt.  
Drilling Fluid Management Plan 6-4-87  
(Data must be collected from the Reserve Pit)

RECEIVED  
STATE CORPORATION COMMISSION  
MAY 24 1993  
CONSERVATION DIVISION  
Wichita, Kansas

Chloride content 4000 ppm Fluid volume 6000 bbls  
Deswering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 [Signature]  
Title General Partner Date 5-21-93  
Subscribed and sworn to before me this 21st day of MAY 19 93.  
Notary Public [Signature]  
Date Commission Expires 7-3-93

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)

KURT L. SMITH  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 7-3-93

P1

Operator Name Northern Lights Oil Co. Lease Name Higgins Well # 2  
 Sec. 6 Twp. 17 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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run: Dual Ind/Comp D-N

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Anhydrite 1697  
 LKC 3820  
 Cherokee SH 4307  
 A Sand 4312  
 Friedenberger Sand 4378  
 Miss 4408

CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/2"	8-5/8"	20#	268'	60/40 poz	165	2% gel 3% cc
Production	7-7/8"	5 1/2"	14#	4449'	ASC	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	4378-4382	250 Gal MCA

TUBING RECORD		Size <u>2 7/8</u>	Set At <u>4380</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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 <u>60</u> Bbls.	Gas Mcf	Water <u>40</u> Bbls.	Gas-Oil Ratio	Gravity

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 \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15135-23743-00-00

## Test Ticket

# ORIGINAL

No 5994

Well Name & No. Higgins #2 Test No. 1 Date 4-30-93  
 Company Northern Lights Oil Co. L.P. Zone Tested FT. SCOTT  
 Address Box 164, Andover, Ks 67002 Elevation 2388 K.B.  
 Co. Rep./Geo. Kurt Smith Cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 17 Rge. 22 Co. Ness State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4270 - 4300  
 Anchor Length 30  
 Top Packer Depth 4265  
 Bottom Packer Depth 4270  
 Total Depth 4300  
 Mud Wt. 9.4 lb/gal.  
 Tool Open @ 5:00 p.m. Initial Blow Weak - building to 4"

Drill Pipe Size 4.5 F.H.  
 Top Choke - 1" \_\_\_\_\_ Bottom Choke - 1/4" \_\_\_\_\_  
 Hole Size - 7 7/8" \_\_\_\_\_ Rubber Size - 6 3/4" \_\_\_\_\_  
 Wt. Pipe I.D. - 2.7 Ft. Run 631  
 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Viscosity 53 Filtrate 10.4

Final Blow No blow - flushed tool

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>10</u>	Feet Of <u>D.M. RECEIVED</u>	<input checked="" type="checkbox"/>
Rec. _____	Feet Of <u>STATE CORPORATION COMMISSION</u>	<input type="checkbox"/>
Rec. _____	Feet Of <u>MAY 24 1993</u>	<input type="checkbox"/>
Rec. _____	Feet Of <u>CONSERVATION DIVISION</u>	<input type="checkbox"/>
Rec. _____	Feet Of <u>Wichita, Kansas</u>	<input type="checkbox"/>

BHT 118 °F. Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery - Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 2238 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 119 PSI @ (depth) 4274 w/Clock No. 27567  
 (C) First Final Flow Pressure 19 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-In Pressure 59 PSI @ (depth) 4296 w/Clock No. 27501  
 (E) Second Initial Flow Pressure 29 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 29 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 39 PSI Initial Opening 15 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 2218 PSI Initial Shut-In 70 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 30 Safety Joint \_\_\_\_\_  
 Final Shut-In 30 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative Dan Bonafe

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-135-23743-00-00

## Test Ticket

# ORIGINAL

No 5995

Well Name & No. Higgins #2 Test No. 2 Date 5-1-93  
 Company Northern Lights Oil Co. L.P. Zone Tested Cher Sd.  
 Address \_\_\_\_\_ Elevation 2988 K.B.  
 Co. Rep./Geo. Kurt Smith Cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 17 Rge. 22 Co. Ness State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4302 - 4318 Drill Pipe Size 4.5 F.H.  
 Anchor Length 16 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4297 Hole Size — 77/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4302 Wt. Pipe I.D. — 2.7 Ft. Run 631  
 Total Depth 4318 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.5 lb/gal. Viscosity 38 Filtrate 11.2  
 Tool Open @ 2:55 a.m. Initial Blow Strong - B.O.B. in 45 sec. Pulled  
Tool loose and reset AFTER 10 min open.  
 Final Blow Strong - B.O.B. in 1 min.

Recovery — Total Feet 1310 Feet of Gas in Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>1310</u>	<u>MC Gassy S.W. w/</u>	<u>10</u>		<u>80</u>	<u>10</u>
	<u>Tri. of oil T/O</u>				

BHT 130 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 103 @ 20.7 °F Chlorides 80,000 ppm Recovery Chlorides 6,000 ppm System  
 (A) Initial Hydrostatic Mud 2248 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 226 PSI @ (depth) 4306 w/Clock No. 27567  
 (C) First Final Flow Pressure 383 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-In Pressure 828 PSI @ (depth) 4314 w/Clock No. 27501  
 (E) Second Initial Flow Pressure 492 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 551 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 808 PSI Initial Open 10 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 2200 PSI Initial Shut-In 30 Jars X  
 \_\_\_\_\_ PSI Initial Shut-In 10 Safety Joint X  
 \_\_\_\_\_ PSI Initial Shut-In 30 Straddle \_\_\_\_\_  
 \_\_\_\_\_ PSI Initial Shut-In \_\_\_\_\_ Circ. Sub \_\_\_\_\_  
 \_\_\_\_\_ PSI Initial Shut-In \_\_\_\_\_ Sampler \_\_\_\_\_  
 \_\_\_\_\_ PSI Initial Shut-In \_\_\_\_\_ Extra Packer \_\_\_\_\_  
 \_\_\_\_\_ PSI Initial Shut-In \_\_\_\_\_ Other \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By \_\_\_\_\_  
 Our Representative Dan Baner

TOTAL PRICE \$ \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-135-23743-00-00

## Test Ticket

# ORIGINAL

No 5996

Well Name & No. Higgins #2 Test No. 3 Date 5-1-93  
 Company Northern Lights Oil Co. L.P. Zone Tested Cher. Sd.  
 Address \_\_\_\_\_ Elevation 2388 K.B.  
 Co. Rep./Geo. Kurt Smith Cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 17 Rge. 22 Co. Ness State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4355 - 4390 Drill Pipe Size 4.5 F.I.H.  
 Anchor Length 35 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4350 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4355 Wt. Pipe I.D. — 2.7 Ft. Run 6.31  
 Total Depth 4390 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2 lb/gal. Viscosity 46 Filtrate 11  
 Tool Open @ 11:18 p.m. Initial Blow Strong - B.O.B. in 2 min - Pulled  
Tool loose and reset after 15 min open.  
 Final Blow Strong - B.O.B. in 5 min.

Recovery — Total Feet 1612 Feet of Gas In Pipe 60 Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>806</u>	<u>C.GsyO</u>	<u>10</u>	<u>90</u>		
<u>372</u>	<u>M+WTR C GsyO</u>	<u>10</u>	<u>70</u>	<u>10</u>	<u>10</u>
<u>434</u>	<u>mdy WTR.</u>	<u>80</u>		<u>80</u>	<u>20</u>
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____

BHT 1.21 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity 38 °API  
 RW .213 @ 71 °F Chlorides 35,000 ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 2248 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 137 PSI @ (depth) 4359 w/Clock No. 27567  
 (C) First Final Flow Pressure 561 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-In Pressure 1066 PSI @ (depth) 4386 w/Clock No. 27501  
 (E) Second Initial Flow Pressure 590 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 749 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1056 PSI Initial Opening 30 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 2157 PSI Initial Shut-In 45 Jars X

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 30 Safety Joint X  
 Final Shut-In 60 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Dave Banoffe

Extra Packer \_\_\_\_\_

Other \_\_\_\_\_

TOTAL PRICE \$ \_\_\_\_\_



200-8488-281-21

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Phone 913-33-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861; Great Bend, Kansas

Phone Ness City 913-798-3843

15-135-23743-00-00

# ALLIED CEMENTING CO., INC.

1239

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	5-3-93	Sec.	6	Twp.	17	Range	22	5-2 Called Out	11:30 PM	On Location	12:30	Job Start	5:30	Finish	6:30
Lease	Higgins	Well No.	2	Location	Browne "2W 2S 1/2 W"				County	Ness	State	Ks.			
Contractor	Duke 1			Owner	Same										
Type Job	Long String			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	7 7/8		T.D.	4450											
Csg.	5 1/2 14#		Depth	4450											
Tbg. Size				Depth											
Drill Pipe				Depth											
Tool	Baker Port Collar			Depth	1712										
Cement Left in Csg.				Shoe Joint	32'										
Press Max.				Minimum											
Meas Line	yes			Displace	108 bbl.										
Perf.															

### EQUIPMENT

No.	Cementer	Gary
Pumptrk 224	Helper	Keith
No.	Cementer	RECEIVED
Pumptrk	Helper	STATE CORPORATION COMMISSION
	Driver	Billy
Bulktrk 69	Driver	MAY 24 1993
Bulktrk	Driver	CONSERVATION DIVISION Wichita, Kansas

### DEPTH of Job

Reference:	Pump Truck	1038.00
18	Mileage	40.50
	Rotating Head 5 1/2"	75.00
	5 1/2" Rubber Plug	45.00
	Total	1198.50

Remarks: Pump Flysh, Mix and pump cement, Displace, Float held.

NO WARRANTY ON FLOAT EQUIPMENT

Thank you  
[Signature]

Charge To	Northern Lights Oil Co.		
Street	Box 164		
City	Andover	State	Ks. 67002
The above was done to satisfaction and supervision of owner agent or contractor.			
Purchase Order No.	[Signature]		
X	[Signature]		
Amount Ordered	150 ASC	5# Gilsonite per sack	
Consisting of	CEMENT 500 gal Mud Flush		
Common	150 ASC	7.50	1125.00
Poz. Mix			
Gel.			
Chloride			
Quartz	500 gals ASF	1.00	500.00
Gilsonite	750.00	.39	292.50
Handling	150	1.00	150.00
Mileage	18		108.00
Total	\$6175.00		
Disc	1235.00		
	\$4940.00		
Floating Equipment			Total 2175.50
Guide Shoe	-	125.00	
Insert Float	-	189.00	
Port Collar	-	1785.00	
2-Baskets	-	254.00	
8-Turbo Cent.	-	448.00	
			2801.00



00-00-84FES-251-21

GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

NO OTHER WARRANTIES  
INCLUDED THEREIN

Phone 913-483-2627, Russell, Kansas

Phone 316-793-3861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

15-35-23743' 00.00

# ALLIED CEMENTING CO., INC.

1244

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	5/10/93	Sec.	6	Twp.	17	Range	22	Called Out	07:00	On Location	09:15	Job Start	10:45	Finish	11:45
Lease	Higgins	Well No.	2			Location	Brownell 2W 25 1/2 W			County	Ness	State	Ks.		

Contractor	Plains
Type Job	Port Collar
Hole Size	T.D.
Csg. 5 1/2" 14#	Depth 4
Tbg. Size	Depth
Drill Pipe Ret BP	Depth
Tool Baker PC Collar	Depth 17 1/2'
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace 8.5 bbl
Perf.	

Owner	Sane
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.	
Charge To	Northern Lights Oil Co.
Street	Box 164
City	Andover State Ks. 67002
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>[Signature]</i>
Amount Ordered	400 <sup>65</sup> / <sub>35</sub> 10% Gel 1/4" Flo seal

### EQUIPMENT

No.	Cementer	Gary
Pumptrk 158	Helper	Keith
No.	Cementer	Ben
Pumptrk	Helper	
	Driver	
Bulktrk 199	Driver	

RECEIVED  
STATE CORPORATION COMMISSION  
MAY 24 1993

Consisting of			
Common	252	5.75	1449.00
Poz. Mix	135	3.00	405.00
Gel.	39	7.00	273.00
Chloride			
Quickset			
	Flo Seal - 97	1.10	106.70
Handling	400	1.00	400.00
Mileage	18		288.00
			<b>Total</b> \$ 2921.70

CONSERVATION DIVISION  
Wichita, Kansas

DEPTH of Job		
Reference:	Pump Truck	525.00
	18 Mileage	40.50
		<b>Total</b> \$ 565.50

Remarks: ~~500 ok~~ Mix and pump out. Displace 8.5 bbl. Close tool Press to 500, ok. Reverse out 14 bbl. Run 10, + reverse out.  
Thank you  
H. L. Jensen

Floating Equipment	
TOTAL	\$ 3487.20
Disc	697.44
	\$ 2789.76

00-00-EPFES-20-21

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.