KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL 3/4/09 FO

Form ACO-1 September 1999
Form Must Be Typed

## **WELL COMPLETION FORM** WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5474	API No. 15 - 15-101-22069 -00-00
Name: NORTHERN LIGHTS OIL CO., LC	County: LANE
5.6.507.404	e/2_se sec. 3 Twp. 19s s. R. 29 ☐ East  West
City/State/Zip: ANDOVER, KS 67002	1970 feet from S/ N (circle one) Line of Section
Address: P.O. BOX 164  City/State/Zip: ANDOVER, KS 67002  Purchaser: CONFIDENTIAL  Operator Contact Person: KURT SMITH  MAR 0 4 2008	1630 feet from E)/ W ((circle one)) Line of Section
Operator Contact Person: KURT SMITH	Footages Calculated from Nearest Outside Section Corner:
Phone: (316_) 733-1515	(circle one) NE SE NW SW
Contractor: Name: MALLARD JV	Lease Name: HILGENBERGER Well #: 1
License: 4958	Field Name: WC
Wellsite Geologist: JEFF CHRISTIAN	Producing Formation: LKC, MARMATON
Designate Type of Completion:	Elevation: Ground: 2814 Kelly Bushing: 2819
New Well Re-Entry Workover	Total Depth: 4626 Plug Back Total Depth: 4619
	Amount of Surface Pipe Set and Cemented at 249 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?   ✓ Yes  No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set 2160 Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 2160
Operator:	feet depth to SURFACE w/ 235 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AH I NH 10-30-08
Deepening Re-perf Conv. to Enhr./SWD	0000
Plug Back Plug Back Total Depth	Chloride content 2000 ppm Fluid volume 2500 bbls  Dewatering method used EVAPORATION
Commingled Docket No	
Dual Completion Docket No.	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
1-21-08	Quarter SecTwp. S. R East West
Recompletion Date Recompletion Date	County: Docket No.:
•	
Kansas 67202, within 120 days of the spud date, recompletion, workoven information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the pest of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature VI (V)	KCC Office Use ONLY
Signature: 4 Co- A- 2000	
Title: MANAGING VARTNER Date: 3-4-2008	
Subscribed and sworn to before me this 4h day of MARCh	If Denied, Yes LiDate:
w2008.	Wireline Log Received RECEIVED Geologist Report Receited ISAS CORPORATION COMMISSION
I S OFFICIAL S MY COMMING	L SMITH UIC Distribution SSION EXPIRES MAR 0 4 2008
Data Camanianian Esminani	14. 2009
Comme.	CONSERVATION DIVISION WICHITA, KS

tested, time tool oper temperature, fluid red	how important tops a n and closed, flowing covery, and flow rate	and base of formation	ns penetrated. res, whether s st, along with	hut-in pres	cores. Repor	static level, hydro	ostatic pressur	
Orill Stem Tests Take		<b></b> ✓ Yes N	)	√ Lo	g Format	ion (Top), Depth	and Datum	Sample
Attach Additional. Samples Sent to Geo	•	✓ Yes N	n	Name	•		Тор	Datum
Cores Taken	ological ourvey		_	ANH'	Y	•	2150	+669
lectric Log Run		√ Yes N	STIAL	LKC			3982	-1163
ist All E. Logs Run:		CONFIDE	3008	FTSC	SC		4513	-1694
Electric Log Run  (Submit Copy)  List All E. Logs Run:  RAG  (Submit Copy)  CONFIDENTI  MAR 0 4 25		CC	C MISS			4602		
		CAS Report all strings	ING RECORD set-conductor, s	√ iNev urface, inter	mediate, produ	1	#5-0-	1 T
Purpose of String	Size Hole Drilled	Size Casing Set ((In O.D.))	Libs.	ight //Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
SURFACE	12 1/4	8 5/8	24#		249	common	175	3%gel2%cc
Production	7 7/8	5 1/2	14#		4619	EA2	175	<b> </b>
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	ADDITIO	MAL CEMENTI #Sacks 235	ING / SQU s Used	EEZE RECOR		Percent /Additives	5
Shots  Per  Foot		ION RECORD - Bridge Footage of Each Interva				acture, Shot, Cemer		rd Depth
4	4374-78				250 GAL MCA,1000 GAL NEFE 4374			
4 4322-27					250 GAL MCA,1000 GAL NEFE 4322			
TUBING RECORD 27	  Size   <b>7/ 8</b>	Set At 4377	(Packer/	At	LinerlRun	Yes <b>√</b> No	0	
Date of First, Resumed 3-1-2008	il Production, SWD or E	nhr. Producing	Method	Flowing	<b>√</b> Pump	ing Gasl⊔	iift Oth	er ((Explain)
Estimated Production Per 24 illours	©іі <b>95</b>	IBbis. Gas	Mcf	Wate 0	r !	Bbls. (	Gas-Oil Ratio	Gravity RECEIVED
Disposition of Gas	METHOD OF	COMPLETION			Production Inte	erval	KAN	ISAS CORPORATION CO

.

CONSERVATION DIVISION WICHITA, KS

# NORTHERN To LIGHTS OIL CO., L.C.

P.O. BOX 164 / ANDOVER, KS 67002 / 316-733-1515

CONFIDENTIAL MAR 0 4 2008 KCC

Kansas Corporation Commission 130 S. Market, #2078 Wichita, KS 67202-3802

March 4th, 2008

RE:

Hilgenberger #1 API# 15-101-22069

REQUEST FOR CONFIDENTIALITY

3-19S-29W, Lane Co., KS

### Dear Sirs:

This letter requests the status of confidentiality be applied to this well as per the rules and regulations of the Kansas Corporation Commission, Conservation Division, allowing the initial period of 1 year from date of filing.

Thank you and please call me if there is any problem or question.

Sincerely,

Kurt L. Smith

**Exploration Manager** 

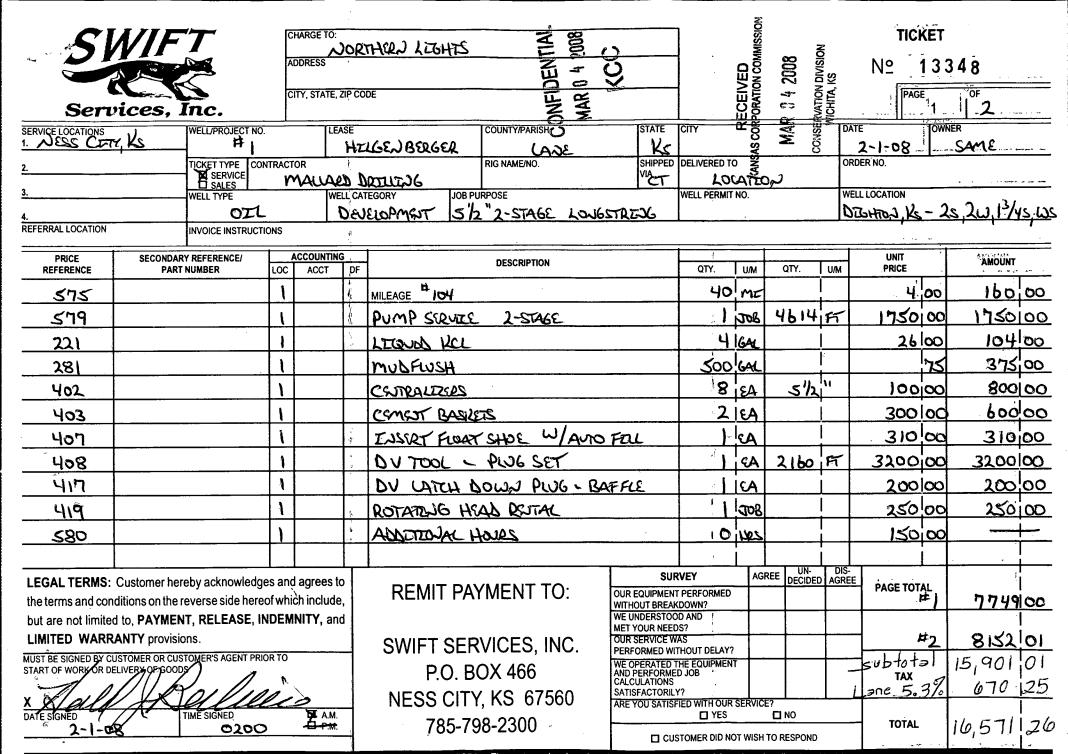
RECEIVED COMMISSION

KANSAS CORPORATION CONSIGN

MAR 14 2008

CONSERVATION DIVISION

CONSERVATION RES



SWIFT OPERATOR

APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



## **TICKET CONTINUATION**

TICKET No. 13348

PO Box 4661 Ness City, KS 67560 Off: 785-798-2300

CUSTOMER
WELL
HIGGS REDGER
1 -1-08 2 2 2

Services,	. 1140.	Off: 78	5-798-2300		MORTHERN LIGHTS	HILLEWBER	5CL - 1	1-1-08	1212
PRICE REFERENCE	SECONDARY REFERE		ACCOUNTING DE	TIME	DESCRIPTION	OTY. U/	M QTY, U/M	UNIT PRICE	AMOUNT
325		1	1		STAILMED CEMPUT	175 Si		12 50	218750
330		1	1		SWOTT MULTE- DEUSDRY STA	· · · · · · · · · · · · · · · · · · ·		15100	3525100
276		1	4. 4.		FLOCELE	103 10		1125	128 75
283		1			SALT	900 18	s l	20	180,00
284		1			CALSFAL	8188	281008	30 00	240,00
		1			CFR-1 PAR CONTRACTOR OF STATE	افعاند	1 :	4/50	450,00
290		ì			D-AA	3 6	L .	32 00	96 00
									i
			ŧ	<u> </u>	NO AM	l	1		
					Ö	,	1000	R O 4 2008 REPRESENTED ON SON	<u></u>
						1	, y	8 8	
				<u> </u>		<u> </u>	0	MARK O 2008 MARK O 2008 CONSERVATION DIVISI	<u> </u>
			£	<u> </u>			1 7		
						i	j	A STATE OF THE STA	
								SASWA	
								33	
					·				
			\$						1
			ţ	ļ		<u> </u>			<u> </u>
			\$. 4.					ļ <u>i</u>	i
ه ۰				<u> </u>			_   _		
<b>1</b> 2. 4						i	<u> </u>		
· 281	<del></del>	1		<u> </u>	SERVICE CHARGE	CUBIC FEET	410	1 25	<u> </u>
		1		<u> </u>	MILEAGE TOTAL WEIGHT LOADED MILE CHARGE 41613	S TON MILES	832.26	100	832 26
-			1			.•	CONTIN	UATIONTOTAL	8152.01

JOB LOG - 🤼		SWIFT Services	luc.		
CUSTOMER NOOTHERN LIGHTS	WELL NO.	HZIGSJ RERGER	JOB TYPE		

DATE 2-1-08 PRESSURE (PSI) PUMPS VOLUME (BBL)(GAL) CHART TIME NO. TUBING 0100 rathor no START 5/2" CASDIG IN WELL 0400 70-4625 SETe 4619 5124年14 TP-4624 55- 40.34 CONTRACTORS-3, 6, 7, 8, 9, 10, 11, 61 ONT 85KTS-16,62 DU 700L @ 2160 TOPOT# 62 0600 DROP BALL - CORCULATE ROMATE 500 PUMP SOO GAL MUDFLUSH 0640 6 12 500 PUMP 20 BBLS KCL-FLUSH 0642 20 u 41/2 8490 42 350 MX CMRT - 1755B EA-2 . 15,5 PPG 23LES - PUMP , LO HEAW 8240 RELEASE 1ST STAGE DV LATCH DOWN PLUG 0659 0700 DISPLACE PLUG O v 850 SHIT OFF ROTATENS 101 61/2 1500 PLUG BOWN - PSTUP LATCH IN PLUG 8.111 0715 OK RELEASE PSG- HELD WASH YRUCK רורס CONFIDENTIAL DROP DV OPENDE PWG MAR 0 4 2000 0720 1300 OPEN DU TOOL- CHECHATE 0735 KCC 350 PUMP 20 BUS KCL-FLUSH 20 0800 4/2 0805 PLUG RH-MH 350 MEX COMET - 235 SED SMD @ 11.2 ADG 130 0810 23KIL- ANUA TUO HEAW 0835 RELEASE DV CLOSONG PWG . 0836 61/2 0838 0 DESPLACE PLUG RECORPORATION OF 1500 PLUG DOWN - PSTUP CLOSE BY TOOK 0845 REKASE PSZ- HELD 0847 CHOWARD 30 SKS COMENT TO PUT CONSERVATION DIVISION WASH TRUCK JOB COMPLETE THANK YOU 1000 WAWE, BROT, ROB

DATE 1-22-08

Genberaer

## LIED CEMENTING CO

LOCATION Dighton

CALLED OUT

I OD PM

HANDLING 184

MILEAGE 184X.09X

REMIT TO P.O. BOX 31 **RUSSELL, KANSAS 67665** 

TWP

TING C	0 I	NC	<b>\</b>	310	ή <i>Λ</i> Λ
	<b>-</b> .,			310	<b>/</b> ዓ ዓ
	SERV	/ICE P	OINT:	4	
		_/	Vess	City	
	OCATION OF PM	JOB S		JOB FIN	ISH
25,2W, /2		COUN	TY TY	6:00 STATE	<u>ym</u>
45,000, 10	<del>r 3</del> , 73	LOM	<u>e</u>	1/3	
OWNER Norther	in Wah	<u> </u>			
	J				
CEMENT AMOUNT ORDERE <b>2/4Ge</b>	р <u>/15</u>	SX (	_oM M	100 3	%(L
COMMON_/75	SX		<u>2.30</u>	2/5	2.5
POZMIX GEL <b>こ</b>		_@ <i></i>	8 114	55	20
CHLORIDE 65	<u>}</u>	_ @ <u>_ /</u> _ @ , <b>5</b>	1.50	369	2.00
ASC		_@			
		_@			
	RECEIVE	e C	ONFID	ENTIAL	<u> </u>
KANSAS	CORPORATION	COMMISS @	MAR (	4 2008	
	MAR 042		K	CC	
C	ONSERVATION I	@ <u>}\vj<b>s</b> on</u>			

OLD OR NEW (Circle one) Moillard **CONTRACTOR** TYPE OF JOB **HOLE SIZE** T.D. DEPTH 249 **CASING SIZE TUBING SIZE DEPTH DRILL PIPE** DEPTH TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. PERFS. DISPLACEMENT 14. 3/4 BOLS of Freshwater **EQUIPMENT** CEMENTER PUMP TRUCK 224 HELPER BULK TRUCK # 342 DRIVER **BULK TRUCK** DRIVER REMARKS: CHARGE TO: Northern Lights STREET CITY\_\_\_\_ ZIP STATE\_ 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 is listed. The above work was

**SERVICE** DEPTH OF JOB PUMP TRUCK CHARGE 900.00 EXTRA FOOTAGE MILEAGE @ 7.00 MANIFOLD @ @ 111.00

PLUG & FLOAT EQUIPMENT

@ @ @

TOTAL 47.00

TOTAL 1270.00

612.72

TOTAL 35/5.82

TAX\_

TOTAL CHARGE -DISCOUNT -- IF PAID IN 30 DAYS

CONDITIONS" listed on the reverse side.

done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND

> X Lyle Juargensen PRINTED NAME

### 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, of 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 wilful 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.