

**Date Commission Expires:** 

## - KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGIN

September 1999 Form Must Be Typed

CONSERVATION DIVISION WICHITA, KS

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

July 14, 2009

Operator: License # 5474	API No. 15 - 101-22107-0000
Name: NORTHERN LIGHTS OIL CO., LC	County: LANE
Address: P.O. BOX 164	s/2_s/2_neSec. 3 Twp. 19 S. R. 29 ☐ East  West
City/State/Zip: ANDOVER, KS 67002	2310 feet from S (N) (circle one) Line of Section
Purchaser: PLAINS MARKETING	1320 feet from (E) W (circle one) Line of Section
Operator Contact Person: KURT SMITH	Footages Calculated from Nearest Outside Section Corner:
Phone: ( <u>316</u> ) <u>733-1515</u>	(circle one) NE SE NW SW
Contractor: Name: MALLARD JV	
License: 4958	Field Name: McWhirter
Wellsite Geologist: JEFF CHRISTIAN	Producing Formation: Ikc marmaton
Designate Type of Completion:	Elevation: Ground: 2810 Kelly Bushing: 2815
New Well Re-Entry Workover	Total Depth: 4611 Plug Back Total Depth: 4611
✓ OilSWDTemp. Abd.	Amount of Surface Pipe Set and Cemented at 252 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?   ✓ Yes □ No
Dry Other (Core, WSW, Expl., Cathodic, etc.)  If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set 2150 Feet
	If Alternate II completion, cement circulated from 2150
Operator: AUG 1 5 2008	feet depth to SURFACE w/ 225 sx cmt.
Well Name:	Drilling Fluid Management Plan ALT II NH (1-24-08
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 2000 ppm Fluid volume 2500 bbls
Plug BackPlug Back Total Depth	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:
6-21-2008 7-2-08 7-2-08	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp. S. R East West3
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workon Information of side two of this form will be held confidential for a period of	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-12 and geologist well report shall be attached with this form. ALL CEMENTING Is. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	plate the oil and gas industry have been fully complied with and the statements
Signature: W. Ku	KCC Office Use ONLY
Title MANAGING PAOTNER Date: 8-14-0	28 Letter of Confidentiality Attached
1) "Ith	Letter of Confidentiality Attached  If Denied, Yes Date:
Subscribed and sworn to before me this 4 day of 1-/ugvs1	Wireline Log Received
2008	I \ . RECEIVED
Notary Public: KUR	Geologist Report Received KANSAS CORPORATION COMMISS  UIC Distribution
SEAL MY COMM	ISSION EXPIRES AUG 1 5 2008

Operator Name: NC	RTHERN LIGH	TS OIL C	O., LC	Lease	Name:.	KEENAN		Well #: _1_				
Sec. 3 Twp	19 s. r. 29	East	t ✓ West	County	LAN	IE	**					
INSTRUCTIONS: Statested, time tool operature, fluid received Electric Wireline Logary	n and closed, flowin	g and shut es if gas to	-in pressures, surface test, a	whether shalong with fi	ut-in pr	essure reached	static level, hydr	ostatic pressu	res, bottom hole			
Orill Stem Tests Take		<b></b> ✓ Ye	es No		<b>√</b> l	og Formati	and Datum	ım Sample				
Samples Sent to Geo	,	✓ Ye	es No		Nan	ne		Тор	Datum			
Cores Taken	•	_ Ye	es ✓ No		ANH	łY		2138	8 +677			
Electric Log Run (Submit Copy)		√ Ye	es No		LKC	;		3970	-1155			
ist All E. Logs Run:		PANICAS (1	RECEIVED ORPORATION C	) OMMISSION	FT S	SCOTT		4500	-1685			
RAG			UG 15 20		Mis	sissippian		4600	-1796			
	<del></del>		ISERVATION DIV WICHITA, KS CASING	RECORD	✓ Ne		****					
Durana of String	Size Hole	T	t all strings set-c e Casing	onductor, sur Weig		ermediate, product Setting	ion, etc. Type of	# Sacks	Type and Percent			
Purpose of String	Drilled	Set	(In O.D.)	Lbs. /		Depth	Cement	Used	Additives			
SURFACE Production	7 7/8	8 5/8		24#		252	common	180sx	3%gel2%cc			
CONFIDEN		5 1/2		14#		4611	EA2	150sx	5%calseal			
AUG 15		<u> </u>	ADDITIONAL	CEMENTIN	G / SQI	JEEZE RECORD						
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sacks \	Used Type and Percent Additive				3			
Shots Per Foot			D - Bridge Plug				ture, Shot, Cemen		rd			
<b>,</b>	4566-68	Footage of E	ach Interval Perf	orated		· · · · · · · · · · · · · · · · · · ·	OUNT and Kind of Ma		Depth 4566.			
	4502-04			<del></del>								
	4364-68		·			250 GAL MCA,750 GAL NEFE 4502 250 GAL MCA,750 GAL NEFE 4364						
1	4342-46						CA,1000 GAL	· · · · · ·	4342			
ı	4314-16					250 GAL MCA,1000 GAL NEFE 4314						
TUBING RECORD 2 7	Size /8	Set At 4530		Packer At		Liner Run	Yes ✓ No					
Pate of First, Resumed 8-1-08			Producing Metho	od	Flowing	y ✓ Pumpin		t Othe	er <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil 50	Bbls.	Gas I	Mcf	Water Bbls. Gas-Oil Ratio Gr 40 38							
Disposition of Gas	METHOD OF C	OMPLETIO	N			Production Interv	al					
Vented Sold (If vented, Sui	Used on Lease	[	Open Hole Other (Specification)	✓ Perf.	D	ually Comp.	Commingled					

Service Servic	NIF vices,	T S	ĀŪ	DDRESS	JORTHERN LIGHTS							RECEIVED	CORPORATION COMMIS	AUG 15 2008	CONSERVATION DIVISION WICHITA, KS		Nº		OF	
SERVICE LOCATIONS		WELL/PROJECT N	l O.	LE	ASE			COUNTY/PARISH			STATE			<u> </u>	Š	D/	ATE	OWI	2 NER	
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2.			ONTRACTO		1			RIG NAME/NO.			SHIPPED VIA	DELIVERED 1				Ol	RDER NO.			
			LL CAT		JOB PU	RPOSE			VIA	WELL PERMI	T NO	1		_   <sub>w</sub>	ELL LOCATION					
4.	· · · · · · · · · · · · · · · · · · ·			<b>DE</b> 30	LIOPMENT		2" 2-STAGE	LONGSTA	عكاد							SW/DIGHTON, KL				
REFERRAL LOCATION		INVOICE INSTRUC	TIONS		į.		7							•				7		
PRICE REFERENCE		Y REFERENCE/ NUMBER	LOC	ACCT	G DF			DESCRIPTION				QTY.	T	Ī	QTY.		UNIT PRICE		AMOUNT	
<u>≤15</u>	FANI	NOMBER	100	ACCI	Dr .	MILEAGE # 104						<del> </del>	U/N     	+	Q11.	U/M		80	240	100
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LEGAL TERMS: the terms and con		•	•	•		REMIT	PAY	MENT C		OUR E	QUIPMEN	RVEY T PERFORMED		GREE	UN- DECIDED	DIS- D AGRE	PAGE TO	ΓAL ≌i	2112	
but are not limited					· 1	WITHOUT BREAKI					D AND	-			<u> </u>		-	8669	1 <u>00</u> 1	
LIMITED WARR						SWIFT SERVICES, SCA OUR SERVICE W. PERFORMED WITH				AS			-	1		ıέη	8500	ارى		
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO			7	SVVIF I SERVICES, TYCA PERFORMED WIT								-	subto.	to I	17,169					
START OF WORK OR DELIVERY OF GOODS					F.O. DOX 400 AND PERFORMEL CALCULATIONS					D JOB					TAX Lane 5		, '	1		
X DATE SIGNED TIME SIGNED EN AM.				NESS CITY, KS 67560 SATISFACTORILY ARE YOU SATISF					SERV		L NO	1			]					
- <del>5</del> 0	7-2-08 1800 EPM 785-798-2300						CU:	YES NO  STOMER DID NOT WISH TO RESPOND				TOTAL		17,844	150					
SWIET ODERATOR			IER ACCI		OF MA	ATERIALS AND SER	VICES	The customer her	eby acknowle	dges r	eceipt of	the materials a	and se	vices I	sted on t	his ticke	t.		CTC C	
SWIFT OPERATOR	15 Mason	)			- ROVA	1													Thank?	<u> </u>



PO Box 466 Ness City, KS 67560

# **TICKET CONTINUATION**

TICKET No. 14551

Services			y, ks 6/560 5-798-2300		CUSTOMER  WORTHERN LIGHTS	WELL KESJA	) #1	-		DATE 7-2-0	8	PAGE OF	)
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER		ACCT DI	TIME	DESCRIPTION		. U/M	QTY.	Luar	UNIT PRICE		AMOUNT	
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\$83		1			MILEAGE TOTAL WEIGHT LOADED MILES	TON MILES		760,3			ንረ	1330	1
€ <del>⊘</del>								2988.4°C	'u'	UATION TOTAL .		8500.	

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# SWIFT Services, Inc.

DATE 7-2-08 RAGE NO.

JOB LC			1				5600	7-2-08
NORTH-	IEW LITE	HTS	WELL NO.			LEASE KEEN		JOB TYPE  5/2 2-STAGE LONGSTRENG  TICKET NO.  14551
CHART NO.	TIME	RATE (BPM)	VOLUME VOLUME	PUMI	PS C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1730							on rolling
							ļ	
	1930							START S'12" CASTAG TA WELL
								TD-4615 SET = 4611
								7P-4613,5 51/2# 14
								55-16-52
								CESTERALIZARES-2, 3, 5, 6, 7, 8, 9, 10, 12, 14, 59
								CMT RSKTS-15,60
	n in den de							10V e 2150 TOPM # 60
	2135							DROPBALL-CORCUME ROTAGE
	2345	Ь	12		<b>✓</b>		450	PUMP 500 GAC MUDFUSH "
	2347	6	20		~		450	DOMP 20 BBLS KCL-FLUSH 11
	2355	5	36		/		300	macmat - 150518 EA-2 e 15,5 PP6 "
	6003							WASH OUT PUMP, LOUES
	0004							RELEASE 1ST STAGE LATCH DOWN AWG
	2000	ר	CONFI	DEN	KI KI			DESPURE PLUE
	0020	61/2	IIA:25				1500	PLUG DOWN - PSTUP LARHTH PLUG
	0022					t	OK	REGARE PST - HELD
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	0135	6	20		J		250	PUMP 20 BBIS KILL-FLUSH
	0140	,	4/2					PIOS RH-MH
	0145	Ь	125		✓		200	M2x (SMENT - 225 SND SMD @ 11,2 PPG
	०२०४							WASH OUT PUMP. LEVES
	0209							DE ISARE AND CLOSEN DINY
	0210	6/2	0		<b>✓</b>			DESPUSE PING MINSAS CORPORATION COMMISS
	<u>0218</u>	Ь	52.5				1500	PLUG DOWN - PST UP CLOSE BY TOOK AUG 15 2008
	0220							RELEASE PSE - HELD CONSERVATION DIVISION
								CORCLATES 30 SKS COYENT TO PET WICHITA, KS
			y `		·			WASHYBXK
	0330							JOB: COMPLETE
								THEY YOU
								WAKE BROTT, BON

# ALLIED CEMENTING CO., LLC.

SERVICE POINT: REMIT TO P.O. BOX 31 Dakley **RUSSELL, KANSAS 67665** SEC. 3 ON LOCATION 2'100 pim CALLED OUT RANGE 296 DATE 6-21-08 Lton eenan Lané LOCATION WELL# OLD OR NEW (Circle one) CONTRACTOR mallard Same OWNER TYPE OF JOB Sur Face 2521 **CEMENT HOLE SIZE** T.D. AMOUNT ORDERED 180 Sts com DEPTH\_253 **CASING SIZE** 3% & 2% gel **TUBING SIZE DEPTH DRILL PIPE** DEPTH TOOL DÉPTH @ 15,45 2781,00 COMMON\_180 SKS <u>MINIMUM</u> PRES. MAX SHOE JOINT **@** MEAS. LINE **POZMIX** @ 20,80 62.40 CEMENT LEFT IN CSG. **GEL** @ 58,20 349,20 CHLORIDE 6 SKS PERFS. DISPLACEMENT CONFIDENTIAL (a) 4nd rais 1 5 2008 (a) (a) PUMP TRUCK CEMENTER @ ALvin # 423-28/ **HELPER @** BULK TRUCK @ # 399 DRIVER @ **BULK TRUCK** @ **DRIVER** HANDLING 189 @ 2.40 453,60 MILEAGE 104 sk/mile 756,00 TOTAL 4402,20 **REMARKS: SERVICE** circulate ement **DEPTH OF JOB** 1018,00 PUMP TRUCK CHARGE EXTRA FOOTAGE @ 2,00 280,00 MILEAGE 40 miles MANIFOLD Head rental @ @\_ RECEIVED KANSAS CORPORATION COMMISSION CHARGE TO: Northern Lights AUG 15 2008 TOTAL 1411,00 STREET \_ CONSERVATION DIVISION STATE ZIP CITY\_ WICHITA, KS PLUG & FLOAT EQUIPMENT @ @ To Allied Cementing Co., LLC. @ You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTAL 48.00 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES \_\_\_\_\_ PRINTED NAME hybe Juengersex

DISCOUNT \_\_\_

\_\_\_\_\_ IF PAID IN 30 DAYS

#### **GENERAL TERMS AND CONDITIONS**

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, 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 affersubject 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) Qil 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.