## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

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

Operator: License # 32787	API No. 15 - 055-21925-0000				
Name: Kansas Natural Gas Operating, Inc.	County: Finney				
Address: P.O. Box 815	NW - NE - 1/4 Sec. 23 Twp. 26 S. R. 32 ☐ East  West				
City/State/Zip: Sublette, KS 67877	4950' feet from S / N (circle one) Line of Section				
Purchaser: Oneok Pipeline	2440' feet from E / W (circle one) Line of Section				
Operator Contact Person: Mr. Steve Lehning	Footages Calculated from Nearest Outside Section Corner:				
Phone: (_620) _675-8185	~				
Contractor: Name: Cheyenne Drilling - LP	Lease Name: Ohmes Well #: 2-A (Replace)				
License: 33375	Field Name: Hugoton - Chase Series				
Wellsite Geologist: Mr. Ron Osterbuhr	Producing Formation: Chase Formation				
Designate Type of Completion:	Elevation: Ground: 2895' Kelly Bushing: 2901' KB				
New Well Re-Entry Workover	Total Depth: 2740' Plug Back Total Depth: 2737' KB				
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 934 Feet				
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?				
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet				
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from				
Operator:	feet depth to				
Well Name:					
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan 14 414 1 NH 1-8-0				
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)  NA				
Plug Back Plug Back Total Depth	Chloride content NA ppm Fluid volume 0 bbls				
	Dewatering method used Let dry till evaporated				
Commingled Docket No.	Location of fluid disposal if hauled offsite:				
Dual Completion Docket No	Operator Name:				
Other (SWD or Enhr.?) Docket No	Lease Name: License No.:				
11-17-06 11-19-06 12-7-06	Quarter Sec TwpS. R				
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:				
	Sound No.				
Kansas 67202, within 120 days of the spud date, recompletion, workd Information of side two of this form will be held confidential for a period of	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over 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-gs and geologist well report shall be attached with this form. ALL CEMENTING IIIs. Submit CP-111 form with all temporarily abandoned wells.				
All requirements of the statutes, rules and regulations promulgated to regu	ulate 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: Steven M. Schming	KCC Office Use ONLY				
Title: Supt. 4-23-07	Letter of Confidentiality Received				
Subscribed and sworn to before me this 20th day of April	/ If Denied, Yes Date:				
20 07	Wireline Log Received				
August 10 dina	Geologist Report Received RECEIVED				
Notary Public: (NOTWING) S. JUGG	—— UIC Distribution APR 2 3 2007				
Date Commission Expires: 10-12-2010	MIN 2 3 2007				

#### Side Two

perator Name: Kan	sas Natural Gas Op	erating, Inc.	Lease N	lame:_	hmes	T	_ Well #: 2-A	(Replace)	
		☐ East		County: Finney					
ested, time tool ope emperature, fluid red	n and closed, flowing covery, and flow rate	and base of formations g and shut-in pressures s if gas to surface test, final geological well site	, whether shut along with fina	t-in pre	ssure reached s	static level, hydro	static pressure	es, bottom hole	
rill Stem Tests Take		☐ Yes   ✓ No		✓ Log Formation (Top), Depth		on (Top), Depth a	nd Datum	Sample	
amples Sent to Ge	•	✓ Yes No					Datum +918'		
ores Taken	,	☐ Yes ✓ No		B/Stone Corral T/Hollen Berg			1983' 2661'	+240'	
lectric Log Run		✓ Yes  No		T/Herrington			2689'	+212'	
(Submit Copy)				T/Krid	•		2718'	+188'	
st All E. Logs Run:				Rotary Total Depth			2740'	+161'	
Dual spaced	- Gamma Ray	/ Neutron Log)		Log T	otal Depth		2737'	+164'	
		CASING Report all strings set	RECORD	✓ Ne	_	ion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs./F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
Surface Pipe	12 1/4"	8 5/8"	24#		934'	Common-Lite	275-Lite, 150-Common	10% Salt-5% Cal.	
Production Pip	e 7 7/8"	5 1/2"	15.5#		2737'	Lite-Class "C"	425-Lite, 125-"C"	10% Salt-5% Cal.	
		ADDITIONA	L CEMENTING	3/SQU	EEZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks U	sed		Type and Po	ercent Additives		
Shots Per Foot		ON RECORD - Bridge Plu Footage of Each Interval Po			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)  Depth				
4) Shot P/Foot	2692'-2702' KB				(Acid Job) 1800 Gallons of 15% FE and 100 bls.				
4-94-9-11-11-11-11-11-11-11-11-11-11-11-11-1	2716'-2724' KB	2 Total Holes)			of 2% KCL water flush.				
	(72 T				(108 Ball Sealers)				
	KB = 6'		11.2			(Frac Job: 40,000# of 16/30 Sand & 205,000 SCF			
					Nitrogen & 230	) Bls of Treated I	Fluid		
TUBING RECORD	Size /8" EUE 8 RD. Tubing	Set At 2717' G.L.	Packer At None		Liner Run	Yes ✓ No			
Date of First, Resumer (Plan to plug & a	rd Production, SWD or E bandon well)	Enhr. Producing Me		Flowing	Pumpin	ng 🔲 Gas Lift	t 🗌 Othe	өг (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	r Bb		as-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF (				Production Interv			Drore -	
Vented Sold	✓ Used on Lease	Open Hole	Perf.		ually Comp.	Commingled	:692'-2702' K		
(If vented, So	ıbmit ACO-18.)	Other (Spe	acify)	· 			2716'-2724' K	B APR 232	

KCC WICHITA

## **DRILLING & GEOLOGICAL SUMMARY**

OPERATOR: Kansas Natural Gas, Inc.

**KCC #:** 5269

WELL NAME: Ohmes #2-A

API #: 15-055-21925

LOCATION: 2440' FEL, 4950' FSL sec23-T26S-R32W

COUNTY: Finney

**ELEVATIONS:** GL-2895', KB-2901'

TOTAL DEPTH: 2740'

**SPUD DATE: 1**1/17/2006

DRILLING COMPLETED:

DRILLING CONTRACTOR: Cheyenne Drlg.-Rig#11

11/19/2006 **KCC #:** 33375

SURFACE CASING SIZE: 8 5/8" WEIGHT: 24#

GRADE:

**DEPTH:** 940'

CEMENT: 275sx of LITE, 150sx of Common

CASING EQUIPMENT: "Texas" pattern shoe, baffle plate, 1 centralizer

**COMMENTS:** circulated 100sx cement to pit. Deviation-1 1/2°

PRODUCTION CASING SIZE: 5.5" WEIGHT: 15.5# GRADE: K-55 DEPTH: 2737"

1st STAGE CEMENT: 425sx LITE, 125sx Class C

2nd STAGE CEMENT:

CASING EQUIPMENT: guide shoe w/integral latch-down baffle, 10 centralizers.

COMMENTS: circulated 115 sx cement to pit. Deviation – 1°

**OPEN-HOLE LOGS:** none

CASED-HOLE LOGS: G/R-DSN-CCL

SIGNIFICANT DEPTHS: (log depths measured from-KB @ 2901')

horizon	depth	datum	remarks
B/Stone Corral	1983'	+ 918'	
T/Hollenberg	2661'	+ 240'	
T/Herington	2689'	+ 212' perforated 2	
T/Krider	2713'	+ 188' perforated 2'	716'-2724'
Rotary total depth	2740'	+ 161'	
Log Total depth	2737'	+ 164'	

PERFORATIONS: 2692'-2702', 2716'-2724', all w/4spf

ACID TREATMENTS: 1800 gallons 15% FE-MCA acid at average rate of 3.3 bpm at average pressure of 680#,

with maximum pressure of 1727#. ISIP was 0#.

FRACTURE TREATMENTS: 40,000# 16-30 sand; 265 bbls treated water; 205,000 scf N<sub>2</sub>.

REMARKS: Cuttings samples sent to the Kansas Geological Survey as requested.

Ron Osterbuhr 12/2006

APR 2 3 2007

**KCC WICHITA** 

#### ALLIED CEMENTING CO., INC. 25442 Federal Tax I.D.# REMIT TO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 OARIE FC RANGE ON LOCATION JOB START TWP. CALLED OUT JOB FINISH 2.30 A W 7/30 AM OKMES STATE WELL# #2-A LOCATION GAIDEN STURD Ferion 428 510 OLD OR NEW (Circle one) CENTER OF CONTRACTOR CLASSICS # 11 OWNER 2 5 N VA & TYPE OF JOB Set See 2 HOLE SIZE 12 "4" T.D. 944 CEMENT CASING SIZE 87 24 DEPTH 934 AMOUNT ORDERED THE BOOK 144 Slo-seal, 150 com 30000 TUBING SIZE. DEPTH DEPTH DRILL PIPE TOOL DEPTH MINIMUM COMMON 150 PRES. MAX SHOE JOINT 47 POZMIX CEMENT LEFT IN CSG. 43. GEL. CHLORIDE DISPLACEMENT 57.5 8365 25545@11 **EOUIPMENT** PUMP TRUCK CEMENTER 1224 HELPER & BULK TRUCK # 315 DRIVER BULK TRUCK # 399 DRIVER HANDLING 456 MILEAGE . 09 x 5 4 m le REMARKS: TOTAL 9056 100 SKS. TO DIT. SERVICE. Plux dounce DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE 644 @ . 65 MILEAGE 60 @ 600 MANIFOLD + Lead RECEIVED CHARGETO KANTAS NATURAL GAS OSCIATIONS APR 2 3 2007 TOTAL 16 93 KCC WICHITA STATE PLUG & FLOAT EQUIPMENT CEMENT SUMFACE 275 SACKS OF LITE LEAD CEMENT. To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment 1 - Alum

PERFS.

# 422

STREET

and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was

# ALLIED CEMENTING CO., INC. 25444

Federal Tax I.D.# REMITTO PO BOX 31 SERVICE POINT: (51/2" Long Staing Quent RUSSELL. KANSAS 67665 OALLO TWP RANGE CALLED OUT ATE 73 26 32 ON LOCATION JOB START WELL # "2 - A LOCATION G S. d . L C. N . S - TURA 4126 6 0 OLD OR(NEW) (Circle one) CONTRACTOR Cheura 4 14 OWNER TYPE OF JOB Product Stime HOLE SIZE 778 TD 2340 CEMENT CASING SIZE 5 12 15 S DEPTH 2 39 AMOUNT ORDERED 12500 ) TUBING SIZE

TUBING SIZE

DEPTH

DRILL PIPE

DEPTH

TOOL

DEPTH

PRES MAX

MINIMUM

MEAS LINE

SHOE JOINT CEMENT LEFT IN CSG. CHLORIDE PERFS. DISPLACEMENT 6518 894. EQUIPMENT Closed 106 @ 2 PUMP TRUCK CEMENTER TOO TO # イプス HELPER R+Hy @ BULK TRUCK # 399 DRIVER DATEN BULK TRUCK DRIVER & # 315 HANDLING 550 @ ( MILEAGE OF ISEVANTO 2970 REMARKS: TOTAL (0320 M - 475 48 Comed ALLEY Desired Nicht de Laterdoure
Les 1000# Land DEPTH OF JOB PUMP TRUCK CHARGE Plus down a 440 pm EXTRA FOOTAGE 100-125 ste . N. P. 4 MILEAGE 60 Thinks Lugger MANIFOLD + Hond RECEIVED CHARGETO: KAUSAS MANUAL GAS OSCIALIONS APR 2 3 2007 TOTAL 2010 STREET \_\_\_\_ KCC WICHITA ZÏP\_ PLUG & FLOAT EQUIPMENT 5/211 Long Steine ( 1 Good + < hoe @ 5000 = 5000 CEMENT 1- Latoktown Assu To Allied Cementing Co., Inc., You are hereby requested to rent cementing equipment