			•				1 10 101	12/	
in the state of th	Stat	Geol	ogical Si	wey	Cov	nield	Ceopy		
KANSAS DRILLE		WICHIT	A BRANCH	•				20 R. 8 W	
API No. 15 — 159 — 20,726 County Number							Loc. 2264' SNL & 2079' WEL		
Operator	1		nagarananan meninaman celebrariya selik kilik telik kilik kilik kilik kelaban ana asa asa asa asa asa asa asa	nervadur us dunis erencusis reportationer erencusis de la companya del companya de la companya del companya de la companya del la companya de la companya d	alle (1/40 4 1/40 4 1/40 4 1/40 5 1/40 1/40 1/40 1/40 1/40 1/40 1/40 1/40	. C	County <u>R</u>	640 Acres	
Northern Natural Gas Company Address Address Address Address									
P. O. Box 88 Lyons, Kansas 67554 Well No. Lease Name							160	60	
#2-10 Alderman							Production of the Control of the Con		
2264 feet fron	(N) \\$\ \\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2079	feet	from (E)XXX	line				
Principal Contractor Sterling Dril	ling Co.	Ge	ologist				160	160	
Spud Date 1/17/78			Total Depth P.B.T.D.				Locate well correctly 1715 Elev.: Gr.		
Date Completed 3/30/78		Oil Purchaser			D	F	кв		
genigeracythyd (150-) (450) WAAR-Piller (460) Piller (460) Arthur (150) Arthur (150) Arthur (150) Arthur (150) Arthur (150) Arthur	от под при на при н	en de la companya de	CASING	RECORD	gerial and more proposed and the state of the				
Report of all strin	gs set — surface, i	intermediate	, production, et	c.			gamagiga matikasa arak arak iki ka ka ka ka ka ka ki ki ka		
Purpose of string	Size hole drilled	Sixe casing so (in O.D.)	Weight lbs/ft.	Setting depth	Туре сеп	nent	Sacks	Type and percent additives	
Surface	12 1/4"	8 5/8"	23.6	1082	150sx G		650	100 w/12# Gil. 650 w/3% C.C.	
Production 7 7/8" 5		5 1/2"	15.5	3574			650	400 w/4% Gel.,	
								250 w/18% Salt 3/1/% CFR-2	
				and the second seco		program consessor and program as gaster	Despublikasionen hallen für propositionaler von erschiedelt der der Ver		
LINER RECORD					PERFORATION RECORD				
Top, ft.	Bottom, ft.		cement	Shots 4	Shots per ft.		& type et	3440-3470	
TUBING RECORD				L	4 D.3		Jet	3332-3382	
2 7/8"	Setting depth 3470		r set at 387						
			TURE, SHOT,	CEMENT SQ	UEEZE RECO	ORD	and new resembles and a second and the Control of t	elikaan ole oleksistään käytään oleksistää elikiin oleksistään oleksistä oleksistä oleksistä oleksistää elikki	
	Amou	int and kind o	f material used					Depth interval treated	
2000 Gal. 15% HCL							3332-3382		
1600 Gal. 15% HCL							3392-3430		
1400 Gal. 15% HCL							3440-3470		
		,	INITIAL PR	ODUCTION	4	e.	v		
Date of first production Gas Storage V	lel l	Produc	ing method (flow	ing, pumping,	gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil		Gas		Water	, <u>, , , , , , , , , , , , , , , , , , </u>	bbls.	Gas-oil ratio	
Disposition of gas (vente	d, used on lease or			***************************************		ing intervo			
ANET DISCTIONS: As we	www.dad.in VCC Dul	. 97. 7. 1 75. N	within 00 days of	ter completion	of a well one	completed	conv of this	Drillers Log shall be trans-	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody 's desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oll and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas

Northern Natural Gas Company Well No. Lease Name Gas Storage Well 2-10 Alderman **s**_2 T_20_R_ WELL LOG SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries. DEPTH HAME FORMATION DESCRIPTION, CONTENTS, ETC. 0-3565 GRN 754 1024 Hutchinson Salt 1188 Density 1080-3571 Chase Group SS/FF/SCB 13-3565 1533 Council Grove Group 2063 IES 2800-3571 Tarkio Lm. 2292 BHC 1080-3565 Howard Lm. 2790-3571 2680 Dip Heebner Shale 2854 Lansing/K.C. Group 3183 Basal Penn. Sh. & Cong. 3282 Simpson Group Arbuckle Dolomite Group 3329 USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD. Date Received Senior Storage Reservoir Engineer 4/24/78 Date