i	KANSAS PL	- -										
	WELL COMPLET DRILLER'S LOG		C AN	D	and the same of th	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1		3S R16W W	
	API No. 15 —	051		22,3	58		e ag		L	oc. NE SE	SW	
<b>7</b>	Operator	County		Nu	mber			<del> </del>	↓ c	ounty <u>E1</u>	lis	
١	Chief Drilling Co., Inc.										640 Acres N	
ľ	Address											
ļ	905 Century Plaza, Wichita, Kansas 67202									160	60	
l	Well No. Lease Name										╌┞╌╏╌┥╌┥╺┥	
ŀ	1 Roth "A"									<del></del>	<del></del>	
											╌╌╌┤╾┥╼┥	
t	feet fron (N) (S) line Principal Contractor				feet from (E) (W) line Geologist				1	160	160	
J	B & B Drill			Jo	e Corbin				]			
J	Spud Date	Date Completed			Depth	P.B.T.	D.				te well correctly	
)	4-17-81  Directional Deviation				495'			• .	4	ev.: Gr		
I	Pirectional Deviction			011 6	and/or Gas Purc	ngser			D	1937	кв1940	
.					None	<del> </del>		<del></del>	L			
Ì					CASING	RECORD						
	Report of all string	gs set — surface,	interm	ediate,	production, et	ec.						
	Purpose of string	Size hole drilled	Size co	sing set O.D.)	Weight lbs/ft.	Setting dept	tting depth Type cement			Sacks	Type and percent additives	
l		12 1/4"	8 5/	8''	20 1ь.	228	Co	mmon		150	3% c.c., 2% ge	
ľ												
7												
Ì		LINER RECO	RD		<del></del>		1	PER	REFORATION RECORD			
	Top, ft. Bottom, ft. S			Sacks c	acks cement		Shots per ft.		Size & type		Depth interval	
7		TUBING REC	ORD							<del></del>		
)	Size	Setting depth		Packer	set at							
	· · · · · · · · · · · · · · · · · · ·		ACID,	FRACT	URE, SHOT,	CEMENT S	QUEEZ	E RECORD			<u> </u>	
7	ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Pepth interv								epth interval treated			
۱	Amount and kind of material used								+ -			
۱												
					<del>-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>							
Ì												
INITIAL PRODUCTION									<u> </u>			
Date of first production Producing method (flowing, pumping, gas lift, etc.)								,				
	RATE OF PRODUCTION	Oil			Gas			Water		G	as-oil ratio	
	PER 24 HOURS			<u> 6</u> 8	ols.		MCF			bbis.	СЕРВ	
Disposition of gas (vented, used on lease or sold)								Producing interval(s)				

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, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Chief Drilling Co., Inc.	DESIGNATE TYPE OF COMP.: OIL, GA DRY HOLE, SWDW, ETC.:						
/ell No. Lease Name Roth "A"	Dry Hole						
29 T13S R 16W W							
WELL LOG  Show all important zones of porosity and contents thereof; cored in cluding depth interval tested, cushion used, time tool open, flowing a	SHOW GEOLOGICAL MARKERS, LOGS RU OR OTHER DESCRIPTIVE INFORMATIO						
FORMATION DESCRIPTION, CONTENTS, ETC.	ТОР	воттом	NAME	DEPTH			
DST #1 3433-85' 30-30 30-45 Wk. b1. 10" Rec. 20' Mud w/rainbow of oil IBHP: 252# FBHP: 275# FP: 42-50#			Anhy. Base Anhy. Heebner Toronto Lansing BKC Congl Arbuckle RTD	1057 1113 3162 3183 3212 3439 3458 3481 3495			
USE ADDITIONAL SHEETS, IF	NECESSARY, TO	COMPLETE WE	LL RECORD.				
Pate Received	2020	Joseph av. Corlin					
	(Jacob)		Signature  Ceologist				
	/Joseph W. Corbin, Geologist						
	Δ	April 28, 19	981				

PI

## DRILLERS LOG

April 27, 1981

#1 Roth "A"
NE SE SW
Sec. 29-13S-16W
Ellis County, Kansas

OPERATOR: Chief Drilling Co., Inc.

CONTRACTOR: B & B Drilling, Inc.

COMMENCED: April 17, 1981 COMPLETED: April 23, 1981

8-5/8" @ 228'w/150 sx

0	65	Shale
65	228	Shale & Shells
228	413	Red Bed
413	1057	Shale
1057	1113	Anhydrite
1113	1400	Shale
1400	2525	Shale & Lime
2525	2742	Shale
2742	2925	Lime & Shale
2925	3495	Lime
3495		RTD D & A

We certify that the above and foregoing is a true and correct copy of the log on the #1 Roth "A" located in Ellis County, Kansas.

B & B DRILLING, INC.

ill Lahar Presider

Subscribed and sworn to before me this 27th day of April, 1981.

State of Kansas My Appt Exp. Jan. 22, 1983 My Commission Expires: Betty M. Abbott Notary Public

January 22, 1983