## STATE OF KANSAS STATE CORPORATION COMMISSION 200 Colorado Derby Bldg. Wichita, Kansas 67202

15-147-20345-00-00

## WELL PLUGGING RECORD

Make Required Affidavit	mpletely	•				
•	COUNTY	Phillips		SEC.	20 TWP. 49	RGE. 20W E/W
	Location a	s in quar SE SE NW	ters of	footage	from lines:	North College of Martin Colleg
	Lease Owne			o. Tno		*
						1 No. 1
	Lease Name				ichita, Ks.	
	1					
	i				, Gas or Dry	Hole):
	Date Well				c 103	
	Applicatio	ri tor pro	iggmig 1	.11ea <u>8/1</u> 8/1	6/81 6/81	
	Plugging c	omenced_		O/ 1	0/01	
	Prugging c	ombrecea <sup>–</sup>		8/1	6/81	
Locate Well	Reason for				roducing for	mation
correctly on above			Dry Ho		· · · · · · · · · · · · · · · · · · ·	
Section Platt.						ivision or it's
	Agent's be	fore plug	ging wa	is commenc	ed? <u>yes</u>	
Name of Conservation Age	ent who superv	ised plug	ging of	this wel	<sup>1</sup> <u>Marion Sc</u>	<u>hmidt</u>
Producing formation						r.D. <u>3580</u>
Show depth and thickness	s of all water	, oil and	gas fo	rmations.		
OIL, GAS OR WATER RECORD	DS		1			Casing Record
Formation	Content	From	To	Size	Put in	Pulled Out
	Surface	0	327	8 5/8''	327	None
,						The state of the s
fluid was placed and the or other plugs were used tofeet for ea	1. state the cl	haracter	of same	and deptl	n placed, fro	om feet
lst plug 2nd plug	@ 930' w/70 s	SX				
lst plug 2nd plug 3rd plug	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s	SX				
lst plug 2nd plug 3rd plug	@ 930' w/70 s	SX				
lst plug 2nd plug 3rd plug	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s	SX				
lst plug 2nd plug 3rd plug	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s	SX				
lst plug 2nd plug 3rd plug 5 sx in 1	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole	SX				
lst plug 2nd plug 3rd plug 5 sx in r	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 ss rathole	is necess	sary, u	se BACK of	S7 <sub>A</sub> ),	COOPECE VED
lst plug 2nd plug 3rd plug 5 sx in r	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 ss rathole	is necess	sary, u	se BACK of	S7 <sub>A</sub> ),	COOPECE VED
lst plug 2nd plug 3rd plug 5 sx in r	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 ss rathole	is necess	sary, u	se BACK of	S7 <sub>A</sub> ),	COOPECE VED
lst plug 2nd plug 3rd plug 5 sx in 1  (If additiona Name of Plugging Contrac	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thunderb	is necessoird Dril	sary, u	se BACK of	this sheet)	COOPECEIVED  COOPECEIVED  COMMISSION  ATTON COMMISSION  ATTON COLUMN G L.J. G.
lst plug 2nd plug 3rd plug 3rd plug 5 sx in r  (If additiona Name of Plugging Contrac  STATE OF KANSAS Burke Kruege above-described well, be	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thunders  COUNTY OF eine first duly	is necessoird Dril	sary, u ling,	se BACK of Inc. _,ss. wner) or (	this sheet)  Consequences  Con	COOPECE VED  CONTROL VED  ATION ON GO -4-8  Traton of the
lst plug 2nd plug 3rd plug 3rd plug 5 sx in r  (If additiona Name of Plugging Contrac  STATE OF KANSAS Burke Kruege above-described well, be facts, statements, and m	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thunders  COUNTY OF eing first duly	is necessoird Dril  SEDGWICK  (employer) sworn or	sary, u ling,	se BACK of Inc. _,ss. wner) or (	this sheet)  Consequences  Con	COOPECE VED  CONTROL VED  ATION ON GO -4-8  Traton of the
lst plug 2nd plug 3rd plug 3rd plug 5 sx in r  (If additiona Name of Plugging Contrac  STATE OF KANSAS Burke Kruege above-described well, be facts, statements, and m	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thunders  COUNTY OF eing first duly	is necessoird Dril  SEDGWICK  (employer) sworn or	sary, u ling,	se BACK of Inc. _,ss. wner) or (	this sheet)  Consequences  Con	COOPERATION COMMISSION ATION ON SON G-4-8 Paraton of the
lst plug 2nd plug 3rd plug 3rd plug 5 sx in r  (If additiona Name of Plugging Contrac  STATE OF KANSAS Burke Kruege above-described well, be facts, statements, and m	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thunders  COUNTY OF eing first duly	is necessoird Dril  SEDGWICK  (employer) sworn or	sary, u ling, ee of on oath, i and ti So hel	se BACK of Inc. _,ss. wner) or ( says: The he log of p me God.	this sheet)  Conscious  Conscious	CONTRACTIVED  COMMON VED  COMM
lst plug 2nd plug 3rd plug 5 sx in i  (If additiona Name of Plugging Contrac	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thundert  COUNTY OF eing first duly matters herein are true and o	is necessoird Dril  SEDCWICK  (employer sworn or contained correct.	sary, u ling, ee of o n oath, i and t So hel	se BACK of Inc. ,ss. wher) or (     says: The log of p me God. ature)	this sheet)  Constant  Constant  Conner or open at I have known the above-de	COOPURATION COMMISSION  AND OF THE STREET OF
lst plug 2nd plug 3rd plug 5 sx in i  (If additional Name of Plugging Contract  STATE OF KANSAS Burke Kruege above-described well, be facts, statements, and must filed and that the same	@ 930' w/70 s @ 300' w/40 s @ 40' w/10 s rathole  al description ctor Thundert  COUNTY OF eing first duly matters herein are true and o	is necessoird Dril  SEDCWICK  (employer sworn or contained correct.	sary, u ling, ee of on oath, land the So helf (Signal	se BACK of Inc. ,ss. wher) or (     says: The log of p me God. ature)	this sheet)  Consequence  Conse	COOP CE VED COOP OR VED A NOW OWN GO - 4-8 COOP OR VED COOP OR VED CO



KANSAS		0				)	•
WELL COMPLETE DRILLER'S LOG		TAND			J	s. <u>20</u> T	. 4S R. 20W W
			20.345-0	5-00		Loc. SE	••
API No. 15 —_	County		Number				illips
Operator F'S.	M OIL CO.	Tna	•			County	640 Acres
Address ·	H OIL CO.	, IIIC	•			1 —	N
		ter W	lichita, K	nasas 6	7202	160	160
Well No. #1	Lease Name Stat	.05					
Footage Location		.65			% <u>\$</u>	1	HQHH
	(N) (S) fine			from (E) (W)	line		
Principal Contractor Thundorhi	rd Drilli	200	Geologist No.			160	160
Spud Date	rd Drilli Date Completed		Paul Mo Total Depth	ntoia   P.B.T.D.			ete well correctly
08-09-81	08-16-	81	3583			Elev.: Gr.	2071
Directional Deviation			Oil and/or Gas Pur	chaser		DF	КВ
			CASING	RECORD			
Person of all attain			ate, production, e				
Purpose of string	Size hole drilled	<del></del>	g set Weight lbs/ft.		Type cement		Type and percent
		(in O.D	5.)	John J. Commission of the Comm	Type cement	Sacks	additives
Surface	12¼	8 5	/8	327 <b>'</b>	common	250	2% gel 3% Ca
					·		
	LINER RECO	PD.		l T			
Top, ft.	Bottom, ft.		ks cement	Shee	PER	FORATION REC	
,			ors comen	Snors	per 11.	Size & type	Depth interval
	TUBING RECO	ORD					
		Pac	cker set at				,
Size	Setting depth	i			ı		
Size		CID ED		OTATA TO SE			,
Size			ACTURE, SHOT,	CEMENT SQ	JEEZE RECORD		
Size				CEMENT SQ	JEEZE RECORD	1	Depth interval treated
Size			ACTURE, SHOT,	CEMENT SQ	JEEZE RECORD		Depth interval treated
Size		unt and kind	ACTURE, SHOT,	CEMENT SQ	JEEZE RECORD		
Size		unt and kind	ACTURE, SHOT,	CEMENT SQ	JEEZE RECORD		
Size		unt and kind	ACTURE, SHOT,	CEMENT SQ	JEEZE RECORD	1	
Size		unt and kind	ACTURE, SHOT,		JEEZE RECORD		
		unt and kind	ACTURE, SHOT,	ODUCTION			
Size  Date of first production	Amou	unt and kind	ACTURE, SHOT, d of material used  INITIAL PR	ODUCTION			
		unt and kind	ACTURE, SHOT, d of material used	ODUCTION ing, pumping, g			

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.

Second   States   S	WELL LOG  Show all important zones of poresity and contents thereof; cered intervels, and all drill-stem tests, including depth intervel tested, esablion used, time tool open, flewing and shurin pressures, and recoveries.  FORMATION DESCRIPTION, CONTENTS, ETC.  DST#1 3279-3345¹, 30-60-30-60-, recovered 60¹ very slight oil cut mud 60¹ slight oom, 360¹ msw, ifp 92-185#, isip 1030#, ffp 216-278# fsip 1020#.  DST#2 3372-3411, 30-60-30-60, we ak to fair blow. recovered 180¹ salt water. fp 51-123#, sip 1030-959.  Sample Tops:  Anhydrite 1656-6 (BAnhydrite 1686 (Topeka 3057) (Heebner 3251) (Heebner 3251) (Heebner 3252) (Toronto 3280) (Heebner 3256) (	Operator F & M OIL CO.	. Inc.			DESIGNATE TYPE OF ORY HOLE, SWDW, ETC	COMP.: OIL, GAS,
Secretary Well LOG  Show all important somes of pereity and contents thereof; cored intervals, and all drill-stem tests, including depth interval sender, cluster used, time test open, flowing and shot-in pressures, and necevoirs.  FORMATION DESCRIPTION, CONTENTS, FTC.  DST#1 3279-3345', 30-60-30-60-, recovered 60' very slight oil cut mud 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278#, fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair 5low. recovered 180' salt water. fp 51-123#, sip 1030-959.  SAMPLE CREATION DESCRIPTION TO RECOVER 180' Salt water. fp 51-123#, sip 1030-959.  STATE CREATION DESCRIPTION OF THE SHORT OF THE STATE CONTENTS OF THE STATE CREATION OF THE STATE CONTENTS OF THE STATE CREATION OF THE STATE CRE	WELL LOG Show all important zone of poresty and contants thereof; seed intervols, and all dell-ham tests, in- duffing depth intervol tested, cuthion used, fine tool open, flowing and shel-in pressures, and recoveries.  FORMATION DISCRIPTION, CONTENTS, ITC.  DST#1 3279-3345', 30-60-30-60-, recovered 60' very slight oil cut mud 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278# fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair blow. recovered 180' salt water. fp 51-123#, sip 1030-959.  DST#2 3372-3412, sip 1030-959.  Topeka Heebner 3251 Electric Loc Tops  Topeka Heebner 3252 Electric Loc Tops  Topeka Heebner 3253 Electric Loc Tops  Topeka Heebner 3250 Electric Loc Topeka Heebner 3250 Electri	Well No.	Lease Name			Dry	
WELL LOG Show all important zones of porcely and contents thereof; cored intervals, and all drills-term tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.  FORMATION DESCRIPTION, CONTENTS, ETC.  TOP  BOTTOM  NAME  DEPTH  DST#1 3279-3345', 30-60-30-60-, recovered 60' very slight oil cut mid 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278#, fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair blow. recovered 180' salt water. fp 51-123#, sip 1030-959.  Topeka 3061 (Heebner 3252 (Toronto 3280 (Lansing 3294 (Lansing 329	WELL LOG  Show all important sones of powerly and contents thereof; cored intervots, and all drill-atom tests, including depth intervol tested, cushion used, time lead spen, flowing and shut-in pressures, and recoveries.  FORMATION DESCRIPTION, CONTENTS, ETC.  TOP  BOTTOM  NAME  DEFTH  Sample Tops:  Anhydrite 16563 (By/Anhydrite 16563 (By/Anhyd		States			·	
Show all important zones of porosity and contents thereof; cored intervals, and all diffusion tests, including depth interval tested; cushion used, time tool open, flowing and shut-in pressures, and recoveries.  FORMATION DESCRIPTION, CONTENTS, RTC.  DST#1 3279-3345', 30-60-30-60-, recovered 60' very slight oil cut mud 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278#, fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair blow. recovered 180' salt water. fp 51-123#, sip 1030-959.  Sample Tops:  Anhydrite 1656= ( B/Anhydrite 1686 ( Topeka 3057 ( Lansing 3294 ( Electric LOC TOPS TOPEK 3061 ( Heebner 3251 ( Lansing 3296 ( B/KC 3492 ( Lansing 3296 ( B/KC 3492 ( Lansing 3296 ( B/KC 3492 ( Lansing 3567 ( La	Show all important zones of parosity and contents thereof; cored inhavels, and all difficults the tests, like clading depth interved tested, cushon used, time test open, flowing and shut-in pressures, and recoveries.  FORMATION DESCRIPTION, CONTENTS, STC.  TOP  BOTTOM  NAME  DEFTN  Sample Tops:  Anhydrite 165636 B/Anhydrite 1686 Copen and contents the content and	W	WELLLOC				
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recovered 60' very slight oil cut mud 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278#, fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair blow. recovered 180' salt water. fp 51-123#, sip 1030-959.  Topeka 3061 (Heebner 3251 (Lansing 3294 (Toronto 3280 (Lansing 3296 (Lansing	recovered 60' very slight oil cut mud 60' slight ocm, 360' msw, ifp 92-185#, isip 1030#, ffp 216-278#, fsip 1020#.  DST#2 3372-3411, 30-60-30-60, Weak to fair blow. recovered 180' salt water. fp 51-123#, sip 1030-959.  Topeka 3061 (Heebner 3251 Lansing 3294 (Electric LOC TOPS)  Topeka 3061 (Heebner 3252 (Toronto 3280 (Lansing 3296 (B/KC) 3492 (Arbuckle 3567 (LTD) 3583 (Minushing))  STATE CORROGATION COMMISSION CONSERVATION DIVISION Date Received  USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			T	7	NAME	DEPTH
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.		recovered 60' mud 60' slight 92-185#, isip fsip 1020#.  DST#2 3372-34 to fair blow. water. fp 51-1	very slight oil cut cocm, 360' msw, ifp 1030#, ffp 216-278# 11, 30-60-30-60, We recovered 180' salt 23#, sip 1030-959.	ak		Sample Tops  Anhydrite B/Anhydrite Topeka Heebner Lansing Electric LOC  Topeka Heebner Toronto Lansing B/KC Arbuckle LTD  STATE CORPORATION DIVIS Wichita, Kansas	16565 (+ 83 1686 (+385 3057 (- 98 3251 (-118 3294 (-122 TOPS  3061 (- 99 3252 (-118) 3280 (-120) 3296 (-122) 3492 (-142) 3567 (-1496) 3583 (-1512

## DRILLERS LOG

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15-147-20345-00-00

Company F & M Oil Co., Inc.

Contractor Thunderbird Drilling, I

Elevation 2076' K.B.

Farm States

Well No. 1

Casing 8 5/8" @ 327' w/250 sx

Location

SE SE NW, Sec. 20-4S-20W

County

Phillips County, Ks.

Production None

From	<u>To</u>	Description
0 327 956 1110 1170 1378 1620 1656 1686 1712 3050 3580	327 956 1110 1170 1378 1620 1656 1686 1712 3050 3580 R.T.D.	Surface hole Shale & Sand Shale Sand Shale Shale Shale & Sand Anhydrite Shale Shale & Lime Lime

STATE OF KANSAS )
COUNTY OF SEDGWICK)

I, Burke Krueger, of Thunderbird Drilling, Inc. upon oath states that the above and foreoing is a true and correct copy from the Daily Drilling Report from your State #1

18mb M

Subscribed and sworn to before me this 3rd day of September

Gloria DeJesus

Notary Public

My commission expires: 3-25-84

GLORIA DeJESUS
Sedgwick County, Ks.
My Appt. Exp.

CONSTRATION OF THE STATE OF THE