		0	State Ge	eological	<b>Š</b> uh	vey O		
KANSAS DRILLER		WICHITA, BRANCH				s. 2 r. 22 R. 24 W		
API No. 15 —	0,322				Loc. NE NW			
	County		Number				CountyI	lodgeman
•	bird Dri	lling,	Inc.					640 Acres N
Address BOX 184	07							
	Lease Name	<u> </u>					160	
#3	Mothe	s						
Footage Location								
feet fron () Principal Contractor	N) (S) line	G		t from (E) (W)	line		160	
Spud Date			Total Depth P.B.T.D.					ate well correctly
Date Completed			Oil Purchaser					
							DF	КВ
			CASIN	G RECORD				
Report of all strings	set — surface,	intermediat	e, production, e	etc.				
Purpose of string	Size hole drilled	hole drilled Size casing set Weig		ight lbs/ft. Setting depth Type cen		Type cement	Sacks	Type and percent additives
		95/	,	5001			375	war-
		1 / 8		1 / 3	C	mm on	17/3	
			<del></del>	<del> </del>	<u> </u>			
	LINER RECOR	RD				PERFOR	ATION REC	ORD
Top, ft. Bottom, ft. S		Secks	cement	Shots	Shots per ft.			Depth interval
	TUBING RECO	ORD						
Size Sc	etting depth	Packe	er set at	<del></del>				
		CID. FRAC	TURE SHOT	CEMENT SO	IEF7	E PECOPD		
			· · · · · · · · · · · · · · · · · · ·	OLMEITI SQ		L RECORD		Depth interval treated
			***	****				
	· \							· · · · · · · · · · · · · · · · · · ·
	· \		INITIAL P	RODUCTION				
Date of first production	· \	Produc	INITIAL P		as lift	t, etc.)		
Date of first production  RATE OF PRODUCTION PER 24 HOURS	Oil			wing, pumping, g		t, etc.) Water	bbis.	Gas-oil ratio CFPB
	API No. 15 —  Operator	Thunderbird Dri Address BOX 18407 Wichita, Kansas Well No. Lease Name #3 Mothe Footage Location feet fron (N) (S) line Principal Contractor  Spud Date  Report of all strings set—surface, Purpose of string Size hole drilled  LINER RECOR Top, ft. Bottom, ft.  TUBING RECOR Size Setting depth	API No. 15 — 083 — 20  County  Operator Thunderbird Drilling,  Address Box 18407 Wichita, Kansas  Well No. Lease Name #3 Mothes  Footage Location feet fron (N) (S) line  Principal Contractor  Spud Date  Report of all strings set — surface, intermediat Purpose of string  Size hole drilled  LINER RECORD  Top, ft. Bottom, ft. Sacks  TUBING RECORD  Size  Setting depth Packet	API No. 15 — 083 — 20,322  County Number  Operator  Thunderbird Drilling, Inc.  Address BOX 18407 Wichita, Kansas  Well No. Lease Name #3 Mothes  Footage Location feet fron (N) (S) line fee  Principal Contractor  Spud Date Total Depth  CASING  Report of all strings set — surface, intermediate, production, of the country	API No. 15 — 083 — 20,322    County   Number	KANSAS DRILLERS LOG  API No. 15 — 083 — 20,322  County Number  Operator Thunderbird Drilling, Inc.  Address BOX 18407 Wichita, Kans as  Well No. Lesse Name #3 Mothes  Feotage Location feet fron (N) (S) line feet from (E) (W) line  Principal Contractor  Spud Date Total Depth P.B.T.D.  Date Completed Oil Purchaser  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size hole drilled Size casing set (in 0.D.) Weight lbs/ft. Setting depth  LINER RECORD  Top, ft. Bettom, ft. Sacks cement Shots per ft 2  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZ	API No. 15 — 083 — 20,322  County Number  Operator  Thunderbird Drilling, Inc.  Address BOX 18407 Wichita, Kansas  Well No. Lesse Name #3 Mothes  Footage Location feet fron (N) (5) line feet from (E) (W) line  Principal Contractor  Spud Date Ompleted Oil Purchaser  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size hole drilled Size casing set (in 0.0.) ** Weight lbs/ft. Setting depth Type cament  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	KANSAS DRILLERS LOG  WICHITA, BRANCH  API No. 15 — 083 — 20,322  County Number  Operator  Thunderbird Drilling, Inc.  Address Box 18407  Wichita, Kansas  Well No. #3 Mothes  Footage Location  feet fron (N) (S) line feet from (E) (W) line  Principal Contractor  Spud Date  Oil Purchaser  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size hole drilled Size casing set Weight Ibs/ft. Setting depth Type cament Sacks  LINER RECORD  LINER RECORD  PERFORATION REC  Top, ft. Bettom, ft. Sacks cament Shots per ft. Size 6 type 5/8  TUBING RECORD  Size  Settling depth Packer set of  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

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 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.

Thunderbird Drilling, Inc.	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:							
Well No. #3 Lease Name Mothes								
s 2 T 22 R 24 W								
WELL LOG  Show all important zones of porosity and contents thereof; cored intecluding depth interval tested, cushion used, time tool open, flowing and	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.							
FORMATION DESCRIPTION, CONTENTS, ETC.	ТОР	воттом	NAME	DEPTH				
DST #1 4620-4665/90" Rec. 10' mud FP 52-61 BHP 130-69/45"								
DST #2 4650-4675/90" Rec. 90' Hvy m 30' HO&GCM (plugging) FP 69-121 BHP 1029-792/45"	ud							
DST #3 4654-4683/90" Weak blow, Rec. 120' SOCM FP 43-87 BHP 822- 692/45"								
DST #4 4656-4691/90" Fair blow Rec. 130' SOCM FP 69-95 BHP 865-727/45"								
RTD 4730 D&A								
USE ADDITIONAL SHEETS, IF I	NECESSARY, TO	COMPLETE W	ELL RECORD.					
Pate Received	Signature							
STATE GEOLEGISTS	Title							
Con the state of t			Date	<del>"</del>				