WELL COMPLETION REPORT AND DRILLER'S LOG API No. 15 163 21,460 CD P County Number  County Number  County Number  County Number  County Number  County Rooks	KANSAS		$\bigcirc$						
API No. 15 163 21,460 CONTY  Operator  Operator  Prontier Oil Company  Address 1720 KSB Entitidine Wichita Kansas 67202  Well No. 15 Lease Name  1 - A Lowery !!ALL  Feetsee Location  feet from (E) (W) 15 line  Principal Centerion  Red Tiper Drilling Company  Ford Date 10/12/81 10/22/81 3,556  Directional Deviation  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string  Size hole drilled Size company  Size company  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string  Size hole drilled Size company  Size company  AS 5/8'' 20# 260.71' Common 180 sx 3% Gel , 2% C  LINER RECORD  Fop. ft. Sacks compant  TUBING RECORD  ADDITION RECORD  Fop. ft. Sacks compant  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of molerical used  Producing method (Howing, pumpling, yes lift, etc.)  NITIAL PRODUCTION  Date of finity production  Producing method (Howing, pumpling, yes lift, etc.)  Water  Water  Water  Water  Water  Water  Water  Water  Water  County  Rooks  County  Rooks  640 Acres  Fooks  Fooks  County  Rooks  Fooks  Fooks  Fooks  County  Rooks  Fooks  F			T AND					s 32 =	8S - 19W E
Frontier Oil Company  Address  Address  1.720 KSB Building, Wichita, Kansas 67202  Well Ne. (LCC.7AP Lease Name Lowry 11A11)  Footsgab Leastless  Red Tiver Drilling Company  Friedpid Contractor  Friedpid Contractor  Red Tiver Drilling Company  Friedpid Contractor  Fri	DKILLER'S LOC	j			~~				**
Frontier Oil Company  Address  Address  1.720 KSB Building, Wichita, Kansas 67202  Well Ne. (LCC.7AP Lease Name Lowry 11A11)  Footsgab Leastless  Red Tiver Drilling Company  Friedpid Contractor  Friedpid Contractor  Red Tiver Drilling Company  Friedpid Contractor  Fri	API No. 15	163	<u> </u>	_,460 _00			i	Loc. C W/	2 W/2 NE/4
Prontier Oil Company	Operator	County		Number				County	Rooks
Addition	Frontier Oil	Company			*		I		
Near   New	Address							ТТ	N
Notice   CC 2.4.9   Lesses Name   LOWITY   LATI	1720 KSB Buil	ding, Wichit	ta, Kans	as 67202			- 1	160	·
Footbage Leccilion  feet from (I) (5) line  feet from (E) (W) line  Principal Contractor  Red Tiper Drilling Company  Geologist  Toly14/81  10/23/81  3,556'  Directional Deviation  Oil and/or Gas Purchaser  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string  Size hale delided Size coming set Weight Har/ft. Settling depth Type commant  Socks  Type and percent  Surface  12 1/4" 8 5/8" 20# 260.71' Common  180 SX 3% Cel., 2% C  LINER RECORD  Top, ft.  Bettom, ft.  Socks cement  Socks cement  Shots per ft.  Size & Settling depth  TUBING RECORD  Top, ft.  Bettom, ft.  Socks cement  Shots per ft.  Size & Settling depth  Packer set of  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  STATE  RECEIVED  INITIAL PRODUCTION  Dett of first production  Preducing method (flowing, pumping, ses lift, etc.)  Michiga Key Old/Signal  Ger  Woter  Woter  Woter  Ger  Woter  Woter  Ger  Woter  Ger  Woter  Ger  Woter  Ger  Woter  Ger  CPP		A₽ Lease Name	_						
Frincipal Contractor Frincipal	. ويساد أو المستقد والمستقد المستقد الم		Lowry	, IAIL					
Frincipal Contractor Red Tiger Drilling Company  Speed Date Design Prilling Company  Speed Tiger Drilling Company  Size Associated Speed Tiger Drilling Company  Size Setting Speed Tiger Drilling Tiger Dril		m (M) (P) U					l		
Red Tiger Drilling Company Sput Date Date Completed 10/14/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23/81 10/23		n (N) (3) fine	To		t from (E) (W)	line		-	
South Date   Date Completed   10/23/81   3,556'   Siev.: Gr.   Directional Deviction   Directional D	Red Tiger Dri	lling Compar		· · · · · · · · · · · · · · · · · · ·				- 160	
Directional Deviction  CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size hate drilled Size cessing set Weight Ibs/ft, Setting depth Surface  12 1/4" 8 5/8" 20# 260.71 Common 180 six 3% Ge1, 2% C  LINER RECORD  PERFORATION RECORD  Top, ft.  Bottom, ft.  Sacks cement Shots per ft. Size & Setting depth Pecker set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  INITIAL PRODUCTION  Producing method (flowing, pumping, ges lift, etc.)  Wichita No Division No	Spud Date	Date Complete	T T					Locate	well correctly
CASING RECORD  Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size hole drilled Size cessing set Weight Ibs/ft, Setting depth Type cament Socks Type and percent edditives  Surface  12 1/4" 8 5/8" 20# 260.71 Common 180 sx 3% Ge1, 2% C  LINER RECORD  PERFORATION RECORD  Top, ft. Bottom, ft. Sacks cement Shots per ft. Size 6 type Depth interval  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval  STATE  Producting method (flowing, pumping, gas lift, etc.)  Wichila No Division  No Division  Production method (flowing, pumping, gas lift, etc.)  Wichila No Division  No Division  Free 24 RECORD  RATE OF PRODUCTION  COANGENIATION DIVISION  CEREBOLATION DIVISIO	10/14/81	10/23/8	31	3,556'			I		
Report of all strings set—surface, intermediate, production, etc.  Purpose of string Size bole drilled Size casing set (in 0.D.) Weight the/ft, Setting depth Type cement Sacks Type and percent additives  Surface 12 1/4" 8 5/8" 20# 260.71 Common 180 sx 3% Ge1, 2% Ge1, 2% Common 180 sx 3% Ge1, 2% Ge1, 2	Directional Deviation		0	oil and/or Gas Pur	chaser				2 0501
Report of all strings set—surface, intermediate, production, etc.  Purpose of string  Size hole drilled  Size cessing set Weight Ibs/ft. Setting depth Type cement Sacks Type and percent edditives  Surface  12 1/4" 8 5/8" 20# 260.71 Common 180 sx 3% Gel , 2% Common 180 sx 3% Gel , 2% Common  LINER RECORD  PERFORATION RECORD  Top, ft. Bottom, ft. Sacks cement Shots per ft. Size 6 type Depth interval  TUBING RECORD  Size  Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  STATE  TECETIVED  INITIAL PRODUCTION  Depth interval treated  STATE  TECETIVED  Size 6 type  Depth interval treated  STATE  TECETIVED  Size 6 type  Depth interval treated  STATE  TECETIVED  Wichila kas deptile to the common state of th								DF	кв2,059
Purpose of string  Size hole drilled  Size casing sof Weight Ibs/ft, Setting depth  Type cement  Socks  Type and percent additives  Surface  12 1/4" 8 5/8" 20# 260.71 Common  180 SX 3% Ge1, 2% Common  Top, ft.  Bottom, ft.  Socks cement  Shots per ft.  Size 6 type  Depth interval  Size Setting depth  Pecker set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  STATE  STATE  SECCEVED  INITIAL PRODUCTION  Depth interval freated  STATE  STATE  SECCEVED  ANGERIATION DIVISION  RATE OF PRODUCTION  Producing method (flowing, pumping, gas lift, etc.)  Water  Weight Ibs/ft.  Socks  Socks  Size Socks  Size Size 6 type  Depth interval freated  STATE  SECCEVED  COMMISSION  STATE  SECCEVED  STATE  SECURITATION DIVISION  Witchills, kas Geget India  SERVINGTION DIVISION  SERVINGTION DIVI				CASINO	RECORD				
Surface 12 1/4" 8 5/8" 20# 260.71 Common 180 sx 3% Gel , 2% Common 180	Report of all stri	ngs set — surface,	intermediat	e, production, e	tc.				
LINER RECORD  PERFORATION RECORD  Top, ft.  Bottom, ft.  Sacks cement Shots per ft. Size 6 type Depth interval  TUBING RECORD  Size  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  S7ATE  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval freated  S7ATE  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  INITIAL PRODUCTION  Producing method (flowing, pumping, gas lift, etc.)  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  Withits IN DUNCTION  Base of first production  Producing method (flowing, pumping, gas lift, etc.)  ACID FRACTURE SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  Withits IN DUNCTION ON SOME SHOP STORY IN THE ACID STORY IN T	Purpose of string	Size hole drilled	Size casing (in O.D.)	set Weight lbs/ft	. Setting depth	Туре се	ment	Sacks	Type and percent additives
LINER RECORD  PERFORATION RECORD  Top, ft.  Bottom, ft.  Sacks cement Shots per ft. Size 6 type Depth interval  TUBING RECORD  Size  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  S7ATE  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval freated  S7ATE  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  INITIAL PRODUCTION  Producing method (flowing, pumping, gas lift, etc.)  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  Withits IN DUNCTION  Base of first production  Producing method (flowing, pumping, gas lift, etc.)  ACID FRACTURE SHOT, CEMENT SQUEEZE RECORD  AMOUNT OF COMMISSION  Withits IN DUNCTION ON SOME SHOP STORY IN THE ACID STORY IN T	Surface	12 1/4"	8 5/8	'' 20#	260 71'	Common		180 av	3º/ Co1 3º/ C
TOP, ft. Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  STATE OF PRODUCTION Production Production Material Set Set Set Set Size Size Size Size Size Size Size Size			1 3/5	2011	200.71	COMMON	·	100 SX	3% Ge1, 2% G
TOP, ft. Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  STATE OF PRODUCTION Production Production Material Set Set Set Set Size Size Size Size Size Size Size Size									
TOP, ft. Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  STATE OF PRODUCTION Production Production Material Set Set Set Set Size Size Size Size Size Size Size Size							· · · · · · · · · · · · · · · · · · ·		
TOP, ft. Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  STATE OF PRODUCTION Production Production Material Set Set Set Set Size Size Size Size Size Size Size Size									
TOP, ft. Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval  TUBING RECORD  Size Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  STATE OF PRODUCTION Production Production Gas (vented used sold)  OHIO Detection Gas (vented used used sold)  Depth interval treated STATE OF PRODUCTION OHIO Detection Gas (vented used used sold)  OHIO Detection Gas (vented used used sold)  Depth interval freated STATE OF PRODUCTION OHIO Detection Gas (vented used sold)  OHIO Detection Gas (vented used sold)  Disposition of gas (vented used sold)									
TUBING RECORD  Size  Setting depth  Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  STATE  PECEIVED  INITIAL PRODUCTION  Dete of first production  Producing method (flowing, pumping, gas lift, etc.)  Wichita, ka Water  Wichita, ka Water  Water  Betting depth  Depth interval treated  NUV 2 1981  Wichita, ka Water  Wichita, ka Water  Begoil retio  Disposition of gas (vented used on loggest selfs)  Bobbs.  CEPB  Disposition of gas (vented used on loggest selfs)		LINER RECOI	RD				PERFOR	TION DECOR	<u> </u>
TUBING RECORD  Sixe Setting depth Packer set at  ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used Depth interval treated  INITIAL PRODUCTION  Date of first production Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION  Gas Water Water Disposition of gas (vented used on local state)  Disposition of gas (vented used on local state)  STATE OF PRODUCTION  Gas Water Disposition of gas (vented used on local state)	op, ft. Bottom, ft.		Socks	cement	Shots				
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  STATE OF PRODUCTION  OIL  Producing method (flowing, pumping, gas lift, etc.)  OIL  Gas  Water  Wichita Karenda Market State									Depth Interval
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD  Amount and kind of material used  Depth interval treated  STATE OF PRODUCTION  Producing method (flowing, pumping, gas lift, etc.)  Per 24 HOURS  Black Series at Supplies and Supplies at Su		TUBING RECO	RD						
Amount and kind of material used  STATE SOFFORATION COMMISSION  Date of first production  Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION  PER 24 HOURS  Bills.  Gas  Water  Water  Bills.  Water  Bills.  Bil	Size	Setting depth	Packe	r set at					
Amount and kind of material used  STATE SOFFORATION COMMISSION  Date of first production  Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION  PER 24 HOURS  Bills.  Gas  Water  Water  Bills.  Water  Bills.  Bil		A	CID, FRAC	TURE, SHOT,	CEMENT SQL	JEEZE RECO	ORD		
INITIAL PRODUCTION  Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION  PER 24 HOURS  Disposition of gas (vented, used on local product)  ORDER VENTOR  ORDER VENTO								Dent	th interval transact
Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION PER 24 HOURS  Disposition of gas (vented, used on lesso excels)  Producing method (flowing, pumping, gas lift, etc.)  GONOGIVATION DIVISION  Water  Water  Bisso excels blis.  CFPB				<del></del>					interval interieu
Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION PER 24 HOURS  Disposition of gas (vented, used on lesso excels)  Producing method (flowing, pumping, gas lift, etc.)  GONOGIVATION DIVISION  Water  Water  Bisso excels blis.  CFPB		Ved Proposition and parameters and p					<del></del>		
Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION PER 24 HOURS  Disposition of gas (vented, used on lesso excels)  Producing method (flowing, pumping, gas lift, etc.)  GONOGIVATION DIVISION  Water  Water  Bisso excels blis.  CFPB				······································		·	STATI	RECEIV	/En
Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION PER 24 HOURS  Disposition of gas (vented, used on lesso excels)  Producing method (flowing, pumping, gas lift, etc.)  GONOGIVATION DIVISION  Water  Water  Bisso excels blis.  CFPB								PATION	COMMO
Producing method (flowing, pumping, gas lift, etc.)  RATE OF PRODUCTION PER 24 HOURS  Disposition of gas (vented, used on lesso excels)  Producing method (flowing, pumping, gas lift, etc.)  GONOGIVATION DIVISION  Water  Water  Bisso excels blis.  CFPB				INITIAL PR	DDUCTION			NUV 24	20. 1
Disposition of gas (vented, used on lesso or cold)  Disposition of gas (vented, used on lesso or cold)	Date of first production		Produci			s lift, etc.)	Coa <sub>ks</sub>	<i>€ 18</i>	181 1/2/81
Disposition of gas (vented, used on lesso or cold)  Disposition of gas (vented, used on lesso or cold)	DATE OF BROWN	Oil					и	Ichita K. DIVI	SION
Disposition of gas (vented, used on lease or cold)	PER 24 HOURS		٠ ند	1				Gale	oil ratio
	Disposition of gas (vented	l, used on lease or so	old)		<u>M</u>			DDIS.	СГРВ

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.

Operator Frontier Oil Company	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:  Dry Hole							
Well No. Lease Name								
1 Lowry "A"								
s 32 t 8S R 19W W								
WELL LOG  Show all important zones of porosity and contents thereof; cored intervelled in the college of the co	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.							
FORMATION DESCRIPTION, CONTENTS, ETC.	тор	воттом	NAME	DEPTH				
Surface Soil & Rock Shale Sand Shale Sand & Shale Shale Anhydrite Shale Shale & Lime Lime & Shale Shale & Lime Lime RTD	0 30 602 707 1232 1344 1521 1557 1969 2738 2941 3039 3296 3336	30 602 707 1232 1344 1521 1557 1969 2738 2941 3039 3296 3336 3556 3556						
USE ADDITIONAL SHEETS, IF NE	CESSARY, TO	COMPLETE WE	LL RECORD.					
Date Received  Signature  Title								