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

Give All Information Con	mpletely									
Make Required Affidavit	COUNTY	Rooks		SEC. 3	33 _{TWP} . 8	RGE. 19 XEXW				
	NE/SE/N	E			rom lines:					
	Lease Owne	rF	rontie	er Oil Co).					
	Lease Name	L	owry		Well	No. #2				
	Office Address 1437 N. Franklin - Russell, Ks. 67665									
	Character	Character of Well (Completed as Oil, Gas or Dry Hole): Oil								
33	Date Well Completed									
	Plugging commenced June 22, 1982 Plugging completed July 7, 1982									
Locate Well	Reason for abandonment of well or producing formation Depleted									
correctly on above Section Platt.	Was permis	cion obta	ined fr	om the Con	servation Div	vision or it's				
Section Platt.	-				ed? Yes	ASSOURCE IC S				
Name of Conservation Age						nazor				
Producing formation Art					.Oui <u>3445</u> 1.	D. Japan				
Show depth and thickness	of all water	, oll and	gas ro	rmations.						
OIL, GAS OR WATER RECORD	S		en ands place and applications of the control of			Casing Record				
Formation	Content	From	То	Size	Put in	Pulled Out				
				8 5/8" 4 1/2"	L	NONE 2613.18				
		and hij place helder, it still great or god from the transport of the section of								
fluid was placed and the or other plugs were used tofeet for ea	l, state the cl ch plug set	haracter	of same	and depth						
Dumped sand to 337. Shot pipe @2600'.	and rour	(4) sa	cks ce	ment.						
Pulled sixty-nine	(69) joints	of 4岁''	casin	<u>ş.</u>						
Allied plugged wel sacks gel, one (1)	l with five sack hulls	(5) sa	cks hu v (70)	lls, twe	$\frac{1 \text{ve}}{0.750}$ pozmis	ayan an anganga ang antang pang panggang panggang panggang panggang panggang panggang panggang panggang panggang				
cement with 6% addesacks gel. Release	ed gel and	3% calc	ium ch	loride a	nd eight (8	3)				
at 600 psi max. pro	ed plug and	displa in with	ced se	venty (/	0) sacks ce	ement				
TO COO POIL MICELS & PIL	obs. Direc		200 p							
(If additiona Name of Plugging Contrac	l description	is neces	sary, u	se BACK of	this sheet)					
STATE OF KANSAS James W. Rockhold above-described well, be facts, statements, and m filed and that the same	ing first duly atters herein	(employ y sworn or contained correct.	ee of or n oath, d and th So hely	says: The he log of p me God.	the above-des	wledge of the cribed well as				
		JAMES	(Sign. W. RO	ature) CKHOLD/-	AMES W F Box 698 - (Addres	Great Bend, K s) 67530				
SUBSCRIBED AND SW	ORN TO before	me this			luguese.	19.82				
		-	11/0	ingane	RECEIVED	lu lu				
My Commission expires:	MARI	N.E - State of K PARET PROSS (Esp. 7-16-	ER,	STATI	SFP 3 1982	9/3/82				

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

WELL PLUGGING RECORD

Make Required Affidavit		Pools o		3	3 9	10 veV				
	COUNTY Location a				rom lines:	RGE. 19 XEXW				
*	NE/SE/N	E								
	Lease Owne	r <u>F</u>	rontie	r Oil Co						
	Lease Name Lowry Well No. #2									
	Office Address 1437 N. Franklin - Russell, Ks. 6766									
	Character of Well (Completed as Oil, Gas or Dry Hole): 0il									
	Date Well Completed									
	Application for plugging filed									
A transfer and transport to the control of the cont	Plugging commenced June 22, 1982									
Plugging completed July 7, 1982										
Locate Well	Reason for Deplete		ent of	well or pr	oducing form	ation				
correctly on above Section Platt.	Was permis	sion obta	ined fr	om the Con	servation Div	vision or it's				
	-				ed? Yes					
Name of Conservation Age						hazor				
Producing formation		Depth to	top	bott	com T	.D. 3445'				
Show depth and thickness					http://doi.org/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000					
OIL, GAS OR WATER RECORD			·			Casing Record				
Formation	Content	From	То	Size	Put in	Pulled Out				
				8 5/8" 4 1/2"	243 ' 3443 '	NONE 2613.18				
		and makes the property of the state of the public behavior that the state of the st								
aparintangan pentangan kangkangkanggan, pangan katawa magkan danah sa bahan menganggan ngganggan dan dankan pendan da katawa				The state of the first and the state of the						
or other plugs were used tofeet for ea	ch plug set	ijannya, na disurusunu a salan shirida sahiliqi, kuningad bin sadir sanira kud			placed, from	m feet				
Shot pipe @2600'.										
Pulled sixty-nine Allied plugged well	(69) joints L with five	01 4½ (5) sa	<u>casın</u> cks hu	$11s. ext{twe}$	1ve (12)					
sacks gel, one (1) cement with 6% adde	sack hulls	sevent	y (70)	sacks 5	0/50 pozmi	X				
sacks gel. Release	ed plug and	displa	<u>ced se</u>	venty (7	nd eight (α) sacks c	8) ement				
at 600 psi max. pre	ess. Shut	in with	200 p	si.		gengain sa artir - 1900 M Maria ana ana (dalah - 1904 M Maria ang palamangain kadapa palamangain (dalah - 1904 M M M M M M M M M M M M M M M M M M M				
(If additiona Name of Plugging Contrac	l description torR	is neces ockhold	sary, u Engin	se BACK of eering,	this sheet)					
					Mara arabi data da gapan hi salam sa da ta gara gal alipun da ta basa arabi da balada ka ada Marina ar Galaga maganah da balaga da arabi da ta califa da magala arabi da para indi da papa da basa ay arabi da da da					
STATE OF KANSAS	COUNTY OF	BAR'	ron	_,ss.						
James W. Rockholo above-described well, be		(employ	ee or o n oath,	wner) or (says: Th	owner or oper at I have kno	rator) of the owledge of the				
facts, statements, and m filed and that the same	atters herein	containe	d and ti	he log of	the above-des	scribed well as				
		JAMES	(Sign	ature) CKHOLD/-	ames W 1 Box 698 -	Sockhold Great Bend, Ks				
SUBSCR BEDAAN TOWN	PONC TStation of Frances	me this	20 U	day of	Address (Address)	-				
My A	ARGARET PROSSER		111	yare		Andre 1				
My Commission expires:	f	Prince of the second se	<u>i</u>		STATE CORPORATOR	1982 8/23/82				
					AUG 2 3	1905 8/12/L				

#2 Lowry DRILLERS LOG

CASING RECORD:

COMPANY:

Frontier Oil Company

DESCRIPTION:

8 5/8" @ 243

CONTRACTOR:

Red Tiger Drilling Company

NE SE NE Sec. 33-8S-19W Rooks County, Kansas

w/ 170sx cmt COMMENCED:

August 7, 1981

COMPLETED:

August 18, 1981

TOTAL DEPTH: 3445

ELEVATION: 1995 KB

<u>FORMATION</u>	FROM	<u>T0</u>	REMARKS
Shale Sand Shale Anhydrite Shale Shale Shale & Lime Streaks Shale & Lime Lime & Shale Shale & Lime	0 900 1132 1401 1440 2125 2359 3531 2735 2916	900 1132 1401 1440 2125 2359 2531 2735 2916 3445 3445	

I certify that this is a true and correct copy of the above log to the best of my knowledge. RED TIGER DRILLING COMPANY

Subscribed & sworn to before me this 21st day of



My Commission Expires: 5-14-85

CORRECTED KANSAS	D								•			
WELL COM DRILLER'S	LOG				106	150			1			_R. 19W W /4 NE/4
API No. 15	<u> </u>	OS County		21,3 N ui	86 <u>ー</u> のし mber	- 00				County		
Operator									┦ '	County		
Frontier Of	il Comp	oany				V.	1 4		4	·	640	Acres N
1720 KSB Bt	uilding	g, Wichit	a, Ka	nsas	67202	**			N	1,60	┢┢	160
Well No.		Lease Name	7				,			and and a		
2 Footage Location			Lowr	У			-		-		 (3 ++++
	et fron XXX)	(S) line		3	30 feet	from (E) (X	V) lin	• NE/4			 - -	
Principal Contracto		_		Geolo	-				7	160		160
Red Tiger I		ng Compan Date Completed		Total	Joel A	1berts	r D		4		l l	ll correctly
8/7/81	1	8/18/81			, 445'	P.B.T.D.			1.	Locate well correctly Elev.: Gr. 1990		
Directional Deviation		5/10/51	0 (A) , 18		nd/or Gas Purc	haser	-					кв_1,995'
n/a				n	/a)F		KB
					CASING	RECORD						
Report of a	ll strings s	et — surface,	intermed	iate, į	production, e	tc.						
Purpose of st	ring S	ize hole drilled	Size casi (in O.	ng set D.)	Weight lbs/ft.	Setting dep	th	Type cemen	t	Sacks		Type and percent additives
Surface	1	L2 1/4"	8 5/8	3''	24#	243'	3' Common			170 sx	2%	% Gel, 3% CC
Production		7 7/8''	7/8" 4 1/		3443			Common		150 sx		l0% Salt
		(1		- (
	L	INER RECOR	RD.					PE	RFORA	TION REC	ORD	
Top, ft.	Top, ft. Bottom, ft. So			cks ce	ment	Shots per ft.			Size & type		-	Depth interval
	TUBING RECORD											
Sixe	Size Setting depth Packer set at											
		A	CID, FR	ACT	JRE, SHOT,	CEMENT :	SQUE	EZE RECORI)			
	Amount and kind of material used								Depth interval treated			
500 Gal INS (15%) Acid							3434-3442					
	0 0.11.11011											
	و چوپورده داد کاندانه				INITIAL PR	ODUCTION	4			1		
Date of first produ	ction	And the second s	Pro	ducing	method (flow	ing, pumping	, gas	lift, etc.)		****		
9-30-81	*************			oump				1				
RATE OF PRODUC PER 24 HOURS	CTION	12 BOP	D .	bbl	Gas s	district space short total	мс	Water 84		Gas-oil ratio		
Disposition of gas n/a	(vented, us	ed on lease or s	old)					Producing 343	interval 2–344	(s) -2		

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 Stafe 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.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Operator Frontier Oil Company Well No. Lease Name Oil Well (P&A 7-7-82) Lowry s 33 T 8S R 19WE NE SE NE Webster Field 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. FORMATION DESCRIPTION, CONTENTS, ETC. NAME TOP BOTTOM **DEPTH** Shale 0 900 **Anhydrite** 1401(+ 594 Sand 900 1132 Brownville 2667(- 672 Shale 1401 1132 Tarkio 2752(- 757 Anhydrite 1401 1440 Howard 2908(- 913 Shale 1440 2125 Topeka 2937(- 942 Shale & Lime Streaks 2125 2359 Heebner 3142 (-1147 Shale & Lime 2359 2531 Toronto 3164(-1169 Lime & Shale 2735 2531 Lansing-KC 3182(-1187 Shale & Lime 2735 2916 BKC 3399(-1404 Lime 2916 3445 Arbuckle 3427(-1432 RTD 3445 RTD 3445(-1450 4511 3443(-1448 DST #1 Op 30/SI 30 No blow Rec 10'M 3206 3225 IF 20/FF 30 BHP 329# DST #2 Op 60/SI 30 Wk blo 40" Rec 15'WM 3347 3405 IF 21/FF 31 BHP 278 DST #3 Op 60/SI 30 Oq 60/SI 30 1stOpwk blo 15"/2nd Op WB 5" Rec 15'M IF 30/30 3389 3431 FF 30/30 ISIP 30# FSIP 30# DST #4 Op25/SI30 OP 15/SI 30 WDTNB 3389 3431 Rec 10' WM IF 72/82 FF 82/82 ISIP 123# FSIP 111# DST #5 Op 60/SI 30 WB 15" Rec 10'OCM 3427 3436 IF & FF 21 SIP 72# DST #6 Op 35 SI 30 WB 15" Rec 10'0CM 3427 3441 IF & FF 62 ISIP 956# DST #7 Op 60/SI 30 FBITGBDT -0- 43" 3427 3445 Rec 145' F/80'OCM, 65'OSM IF 82/FF 103 ISIP 978# USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD. **Date Received** 0wner Title 9-1-81 Date