** The person who can be reached by phone resamble PECE VED stions concerning this

MY COMMISSION EXPIRES:

(数)

OPERATOR Liberty Enterprises Inc. LEASE Liebenau Twin SEC.19 TWP.7s RGE.17 (W

WELL NO. #2 FILL IN WELL INFORMATION AS REQUIRED: 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. NAME DEPTH FORMATION DESCRIPTION, CONTENTS, ETC. TOP BOTTOM X Check if no Drill Stem Tests Run. LOG TOPS 2678 (-931) Topeka 2888 (-1141) Heebner 2911 (-1164) 2930 (-1183) Toronto 90 1 0 1 sand Lansing 600**'** 90 **'** shale and sand 3160 (-1413) Base 600**'** 983 shale and sand Arbuckle 3238 (-1491) 1170' 983' sand and shale 3279 (-1532) Total Depth 1170' 1180' anhydrite . 1180' 1205' anhydrite 1602' 1205 shales 1602 1870' shale 2079**'** 1870 **'** lime and shale 2079**'** 2330 ' lime and shale 2547 lime and shale 2330 2547 2685**'** lime and shale 2855**'** 2685 lime and shale 2978' lime and shale 2855**'** 2978**'** 3055**'** lime and shale 3155 lime and shale 3055 3155 3250 ° lime and shale 3280 **'** 3250 **'** arbuckle R.T.D. 3280 ' arbuckle If additional space is needed use Page 2, Side 2

Report of all strings	Size hole drilled			10-11-11-11-11-11-11-11-11-11-11-11-11-1	Type cement	Sacks	Type and percent additives
		(111 0.5.7					
Conductor strin	G17 1/2"	13 3/8"	54#	89.92	common	90	3%cc 2%qel
	,	8 5/8"		1185!	common 60-40 pos	100 300	2%gel 3%cc 2%gel 3%cc
surface casing Production	7 7/8"			3280 '	60-40 pos	150	5% gilso 2%gel 3%cc 8%sal
1 1 0000 01011							

	LINER RECORD			PERFORATION RECORD			
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft. 2 per 1'	Size & type	Depth interval 3028-3034		
`	TUBING RECOR	D	2 per 1'		2930–2935		
Sixe 2½"	Setting depth 3070	Packer set at					

J120	2½"	3070						NA COLUMN	
	ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD								
Amount and kind of material used							Depth interval treated		
500	gallons	15% mud	acid,	retreated w	ith 2000 c	allons 1	5% C.R.	A. 302	8-3034
				retreated w	\$		çu, i		0-2935
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	GGIIGI	150 11100	,		Since in the light is desirable desirable as such as		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
Date	Date of first production Producing method (flowing, pumping, gas lift, etc.)				Gravity				
	7-20-	-83 		Pumping		Water	<i>0</i> -∕	Gas	-oil ratio

Estimated
Production -I.P. 15 BOPD bbls. McF 60 BWPDbls. CFPB

Disposition of gas (vented, used on lease or sold) Perforations