



Operator Name ..... W. L. Kirkman, Inc. Lease Name .. Borchers.. Well# 1... SEC. 1... TWP. 34S... RGE. 29...  East  West

**WELL LOG**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

DST #1 5144-5194 30-60-10-15  
 IFP 97-75#  
 ISIP 1109#  
 FFP 86-75#  
 FSIP 118#

Recovery: 100' mud

Name	Top	Bottom
Council Grove	3028	(-575)
Heebner	4342	(-1889)
Lansing	4508	(-2005)
Marmaton	5152	(-2699)
Cherokee	5362	(-2909)
Moorow	5687	(-3234)
Chester	5773	(-3320)

5242-5245: Limestone, tan fine crystalline, oolitic to ooliscastic, fair ooliscastic porosity, poor interclastic porosity, good odor, fluorescence, fair show oil and gas.

RTD	5890
LTD	5890

DST #2 5221-5250 30-60-30-60  
 IFP 129-183  
 ISIP 1484  
 FFP 324-345  
 HP 2559-2591

Recovery: 220' heavily oil 7 gas cut mud, 130' gassy muddy salt water, 400' gassy salt water.

5815-5820: limestone, white, fine crystalline, fossiliferous, fair interclastic porosity, slight show oil, slight show gas, good cut.

DST #3 5800-5856 30-60-60-90

IFP 97-86# gas to surface 24 min. on initial flow  
 ISIP 1776#  
 FFP 64-86# Guage: 12.7 MCF  
 FSIP 1906#  
 HP 2876-2843# Recovery: 200'M

Final flow Guaged:

177	MCF	5 minutes
18.5	MCF	25 minutes
29.9	MCF	60 minutes

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface	12 1/4	8 5/8	24	1395	Liteweight	500	3% CC, 1/4# flo seal/sack
Production	7 7/8	4 1/2	10 1/2	5895	Common 60-40 POZ	200 125	2% gel, 3% CC, 15% salt, .75%
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record C-31			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
4	5810-5820 Chester			150 sks. Common salt saturated cement			5354-5355
4	5240-5242 Marmaton			500 gals. of 15% acid w/10% alcohol			5810-5820
				4000 gals. of 28% regular acid			5810-5820
				500 gals. of 15% NE acid			5240-5242
TUBING RECORD					Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
size	set at	packer at					
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
1-31-84 - Oil							
4-10-85 - Gas	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 Hours	5 Bbls	70 MCF	13 Bbls	NA	CFPB	NA	

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION  open hole  perforation  other (specify) .....

RECEIVED  
 STATE CORPORATION COMMISSION  
 SEP 27 1985

Dually Completed.  
 Commingled

CONSERVATION DIVISION