



Operator Name Imperial Oil and Gas, Inc. Case Name WILLIAM Well# 1 SEC 9 TWP. 25S RGE. 18  East  West

**WELL LOG**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test 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: 4390-4430 (Marmaton Zone) 30-60-30-60  
 IF 1341-1403 ISIP 1506  
 FF 1352-1403 FSIP 1506  
 1st open: gas to surface immediately; stabilized at 10.9 MMCF  
 2nd open: 8.6 MMCF -- 11.4 MMCF -- 10.9 MMCF  
 Recovered 2' condensate in tool.

Name	Top	Bottom
Heebner	3899	(-1721)
Brn. Limestone	4024	(-1846)
Lansing	4035	(-1857)
Base K/C	4393	(-22)
Marmaton Zone	4408	(-2230)
Cherokee Shale	4517	(-2339)
Congl. Sandstone	4559	(-2381)

DST #2: 4438-4560 (Lower Marmaton) 60-120-90-120  
 IF 235-194 ISIP 1372  
 FF 153-170 FSIP 1239  
 1st open: gas to surface in 6 minutes. 100 MCF - 191 MCF  
 2nd open: 211 MCF - 150 MCF  
 Recovered 191' gas cut mud.

DST #3: 4555-4570 (Congl. Sandstone) 60-120-90-120  
 IF 20-71 ISIP 1362  
 FF 51-51 FSIP 1259  
 1st open: 10 minutes 924 MCF - 205 MCF  
 2nd open: gas stabilized at 116 MCF  
 Recovered 90' slightly oil and gas cut mud.

AUG 26 1955  
 State Geological Survey  
 WICHLITZ BRANCH

<b>TUBING RECORD</b>		size	set at	packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain) .....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity	
	6 Bbls	1,000 MCF	40 Bbls	1000/6	12-12 CFPB	

Disposition of gas:  vented  open hole  perforation  other (specify) .....

sold

**CASING RECORD**  new  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"	23#	634'	Lite Common	275	
Production		5 1/2"	14#	4570'	Lite 50-50 Poz.	125	18% salt

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	
4	4412 - 4418		