

Province	Lease—Tract—Well No.	Field—Pool—Producing Zone	County	State
DRILL STEM TESTS				
Drill Stem Test No.	9	10	11	
Date	11-15-49	11-23-49	11-27-49	
Name of Test Tool	Johnston	Howco	Howco	
Kind of Packer	8" Form	8" Form	8" form	
Depth of Hole	10,840	11,295	11,318	
Depth—Bottom of Packer	10,781	11,236	11,222	
Name—Formation Tested	Mississippian	Mississippian	Mississippian	
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)	10,281-10,840	11,236- 11,295	11,222-11,318	
Water Load	None	1000'	1000'	
Chokes (Bottom and Top)	5/8 - 1"	5/8 - 5/8	5/8 - 1"	
Total Length of Time Tool Open	1 hr.	2 hrs.	2 hrs.	
No. of Times & Elapsed Time Tool Opened Each Attempt	1 - 1 hr.	2 - 1 hr.	2 - 25 min.	
Surface Reaction: Type and Elapsed Time				
(1) Air	Immediate			
(2) Gas		good blow	immediate - good blow	
(3) Water Load (Specify if Charged with Oil or Gas)		1000 ft.	1000'	
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)		500' oil cut		
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)		400' free oil		
(6) Water (Specify kind and if out with Oil and/or Gas or B. S.)		1000' oil cut	500' *	
Recovery Fluid in Feet from Drill Pipe	5547' sulphur			
(1) Water Load			XXXX	
(2) Mud			1520' oil and gas	
(3) Oil and Gas				
(4) Water—Kind? (i.e. Salt or Sulphur, Fresh, etc.)		8600	525	
BHP Flowing		3570	3950	
BHP Shut In				
Rate Flow Oil and Gas				
Gas/Oil Ratio BS & W				

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

\* On DST #11 - gas was metered 2/2" well tester for 1 hour 20 min. produced 12 MCF during this period.

DRILL STEM TESTS				
Drill Stem Test No.				
Date				
Name of Test Tool				
Kind of Packer				
Depth of Hole				
Depth—Bottom of Packer				
Name—Formation Tested				
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)				
Water Load				
Chokes (Bottom and Top)				
Total Length of Time Tool Open				
No. of Times & Elapsed Time Tool Opened Each Attempt				
Surface Reaction: Type and Elapsed Time				
(1) Air				
(2) Gas				
(3) Water Load (Specify if Charged with Oil or Gas)				
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)				
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)				
(6) Water (Specify kind and if out with Oil and/or Gas or B. S.)				
Recovery Fluid in Feet from Drill Pipe				
(1) Water Load				
(2) Mud				
(3) Oil and Gas				
(4) Water--Kind? (i.e. Salt or Sulphur, Fresh, etc.)				
BHP Flowing				
BHP Shut In				
Rate Flow Oil and Gas				
Gas/Oil Ratio BS & W				

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

Above Correct—Signature\_\_\_\_\_

Title\_\_\_\_\_

Date\_\_\_\_\_

IT IS RECOMMENDED THIS INFORMATION BE COMPILED ON DERRICK FLOOR AND ORIGINAL BE PERMANENTLY RETAINED IN WELL RECORD.

# THE HISTORY OF THE

## REIGN OF

CHARLES THE FIRST  
BY  
JOHN BURNET  
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GLASGOW  
IN  
SCOTLAND  
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