

SIDE TWO

Operator Name PANCANADIAN PETROLEUM COMPANY Lease Name HOLSMAN 13-12 Well # 1

Sec. 12 Twp. 7S Rge. 21 ☐ East ☒ West County Graham

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: 3392-3442', 10/45/30/30, IFP 21/21, wk ½"
 blo ISIP 1062, FFP 32/32 no blo FSIP 987. Rec'd
 90' drlg mud.

DST #2: 3493-3532', 10/45/60/90, IFP 78/78 blo
 built to 7" in 10 min, ISIP 882, FFP 137/285 blo
 building to btm of bucket in 20 in. FSIP 882 Rec'd
 248' WCM, 120' MCW, 182' SW.

DST #3: 3578-3616', 10/45/30/30. IFP 59/49 wk
 build to 1" in 10 min, ISIP 746, FFP 39/29, wk
 blo died in 8 min, FSIP 619. Rec'd 10 SOCM.

Name	Top	Bottom
Stone Corral Anhydrite	1886 (+308)	
Topeka	3187 (-993)	
Heebner	3397 (-1203)	
Toronto	3420 (-1226)	
Lansing-Kansas City	3433 (-1239)	
Arbuckle	3771 (-1517)	

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	12½"	8-5/8"	24#	302	common	210	2% gel, 3% CaCl
.....							
.....							

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
.....			
.....			
.....			
.....			

TUBING RECORD

Size

Set At

Packer at

Liner Run

☐ Yes ☐ No

Date of First Production

Producing Method

☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

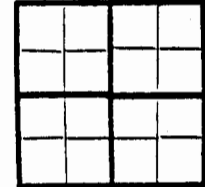
WELL LOG

COMPANY PanCanadian Petroleum Company
P.O. Box 929
Denver, Colorado 80201
FARM Holsman 13-12 **NO.** 1

SEC. 12 **T.** 7 **R.** 21W
LOC. SE NW SW

RIG. NO. 8
TOTAL DEPTH 3800'
COMM. 06-26-86 **COMP.** 07-02-86

COUNTY KANSAS



CONTRACTOR Murfin Drilling Company
250 N. Water, Suite 300
Wichita, Kansas 67202

CASING
20 10
15 8-5/8" set @ 302' w/210 sx Class H, 2% Gel, 9% CC. **ELEVATION**
12 6
13 5 **PRODUCTION**

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand & Shale		65'
Shale		302'
Shale & Sand		2033'
Anhydrite		1817'
Shale & Lime		2400'
Shale		2750'
Shale & Lime	(RTD)	3800'

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KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH