

SIDE TWO

Operator Name PanCanadian Petroleum Company Lease Name Demuth 41-19 Well # 1

Sec. 19 Twp. 6S Rge. 22 ☐ 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	Formation Description ☒ Log ☐ Sample
Samples Sent to Geological Survey	☒ Yes	☐ No	
Cores Taken	☒ Yes	☐ No	

DST #1: 3789-3822. 10-45-60-90. Rec'd 640' GIP, 980' oil, 120' MCO (75% oil, 25% mud). SIP 846-846, HP 2100-2068, IFP 108-152, FFP 239-391 BHT = 114°.	Name STONE CORRAL ANHYDRITE 2063(+357) TOPEKA 3421(-1001) HEEBNER 3617(-1197) TORONTO 3643(-1223) LANSING-KANSAS CITY 3659(-1239) CONGLOMERATE 3913(-1493) ARBUCKLE 3985(-1565)
DST #2: 3821-3852. 15-45-60-90. Rec'd 5' mud. SIP 173-173, HP 2057-2046, IFP 21-21, FFP 21-21. BHT = 114°.	
CORE #1: 3791-3723 91-92 L.S., Grn. sh. 23-32 Red sh. 92-99 Sh., Red&grn. 32-35 L.S. 99-05 L.S., vuggy 35-36 L.S., vuggy 05-11 Sh., Red&grn. 36-40 L.S. w/stylolites 11-16 L.S., v. vuggy 40-45 L.S. w/stylolites, 16-23 L.S., vuggy, scattered porosity w/grn. sh. 45-49 L.S. A.A. w/fewer ptgs. 49-53 L.S. w/grn. sh. ptgs.	CORE #2: 3823-3852 23-32 Red sh. 32-35 L.S. 35-36 L.S., vuggy 36-40 L.S. w/stylolites 40-45 L.S. w/stylolites, 45-49 L.S. A.A. w/fewer 49-53 L.S. w/grn. sh. ptgs.

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"	24.00	295'	C1 "A"	250 sx	2% gel, 3% cc
Production	7-7/8"	4 1/2"	10.50	4039'	C1 "A"	350 sx	3% cc
	7-7/8"	4 1/2"	10.50	DV 2097'	Lite	375 sx	-

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
Two	Lansing-Kansas City "I" 3800-3804	1000 gal 15% MCA acid	
Two	Lansing-Kansas City "J" 3809-3820	2750 gal 15% MCA acid	

TUBING RECORD		Liner Run ☐ Yes ☒ No	
Size	Set At	Packer at	
2-3/8"	3868'	none	

Date of First Production	Producing Method
04-10-86	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....