

**BLM BRADENHEAD TEST REPORT FORM**

Lease #:  122IND \_\_\_\_\_ Well Name Lemon K # 1 API# Req'd  #03-045-\_\_\_\_\_  
 MOO-C \_\_\_\_\_  #05-067-066015  
 14-20- \_\_\_\_\_ Operator Simcoe, LLC Date: 8-10-21  #05-083-\_\_\_\_\_  
 75 \_\_\_\_\_  COC \_\_\_\_\_  
 FEE/CA#: \_\_\_\_\_ QQ: NWNE Sec 18 Twp 34 (N) Range 8 (W) Minerals: Federal-Indian-State-Fee

Well Status: On-Line (Flowing/Pumping/Plunger lift/Clock/Intermitter; Shut-in (GSI/TA), P&A Type: Gas SWD Injection POW  
 Number of Casings if known: (circle) Two Two with liner Three Three with liner

**STEP 1: CLOSE all BLM & approved-to-vent surface & intermediate VALVES 10-14 days prior to test.** (BLM well BHD valves shall normally be closed unless specific BLM authorization has been approved to vent casing to atmosphere as a remediation procedure.)

**BRADENHEAD TEST RECORDING**

**STEP 2: CERTIFY** that all buried valves are in **OPEN** position:  
 If Buried Bradenhead vlv, Confirmed Open? Y/N  
 If Buried Intermediate vlv, Confirmed Open? Y/N  
Expose piping for all BLM witnessed tests to demonstrate that buried valve is "open".

**STEP 3: USING calibrated** mechanical (2# accuracy) or digital Gauge, **MEASURE** Initial Tubing & Casing Pressures & Record on chart. Too small to measure = "TSTM".

**STEP 4:** If initial Surface casing is >25# (>5# within sensitive areas), **SAMPLE** gas using 10 individual cylinder purges & record cylinder # \_\_\_\_\_.

**STEP 5: Open & flow** Bhd vlv. monitoring flow Character. Record other casing pressures within 1<sup>st</sup> 5 min, then @ 5, 10, 15, 20, 25, 30min. Record Surface Csg. flow characteristic. "Required time to monitor" on reverse. IF < 5 min. to blow down show in "elapsed time" column of Chart; Record below the time to "whisper" & time to "no flow" if different.

Elapsed time	Tubing Fm	Tubing Fm	Prod. Casing	Intermed. Casing	Surface Casing
Initial Pressure	# 42	#	# 24	#	# 1 Pressure
Min:Sec	# 42	#	# 24	#	Flow Char. D
05:00	42		24		Flow Char. NF
10:00					Flow Char.
15:00					Flow Char.
20:00					Flow Char.
25:00					Flow Char.
30:00					Flow Char.
Puff to zero				Instantaneous Ending Pressure	TSTM

BHD to "w" in \_\_\_ min \_\_\_ sec & to "NF" in \_\_\_ min \_\_\_ sec.

INT to "w" in \_\_\_ min \_\_\_ sec & to "NF" in \_\_\_ min \_\_\_ sec

**STEP 6:** Leave Bradenhead open & repeat above procedure with Intermediate casing. Record in Intermediate Test Record Chart

Record flow characteristic by letters: NF=no flow; D=gas diminished to no flow; G=continuous gas, W= whisper, V=vapor; S=surge; VAC=vacuum H=water; M=mud.

Water/mud character: (circle) clear, fresh, salty, sulfur, black (Gas sample analysis to be submitted with BHD test to BLM)

**STEP 7: CLOSE ALL VALVES** unless approved to vent.

**REMARKS:**

Note size of valve: BHD: 1/2" needle valve or 1/2" 3/4", 1", 2"  
 INTERMEDIATE: 1/2" needle valve or 1/2" 3/4", 1", 2"

Clarifying remarks: Puff to zero

Tested by: Heather Alexander (signature) Heather Alexander

Phone 505-947-0367 DATE 8-10-21

Witnessed by \_\_\_\_\_ BLM/COGCC

**INTERMEDIATE TEST RECORDING**

Elapsed Time	Tubing Fm	Tubing Fm	Prod. Casing	Intermed. Casing
Initial Pressure	#	#	#	# Pressure
Min:Sec	#	#	#	Flow Char.
05:00				Flow Char
10:00		N A		Flow Char
15:00				Flow Char
20:00				Flow Char
25:00				Flow Char
30:00				Flow Char
				Ending Pressure