

FORM  
17  
Rev  
11/20

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:  
403250590

**BRADENHEAD TEST REPORT**

Step 1. Before opening any valves, record all tubing and casing pressures as found.  
 Step 2. Collect liquid and gas samples as required; consult Bradenhead Testing and Reporting Instructions and Guidance for field specific Orders at <http://cogcc/reg.html#opguidance>  
 Step 3. Conduct Bradenhead test.  
 Step 4. Submit Form 17 within 10 days of test. Attach a wellbore diagram if not previously submitted or if wellbore configuration has changed since last wellbore diagram was submitted.  
 Step 5. Submit sample analytical results via Form 43.

1. OGCC Operator Number: 77330 3. BLM Lease No: \_\_\_\_\_  
 2. Name of Operator: SG INTERESTS I LTD  
 4. API Number; 05-051-06085-00 5. Multiple completion?  Yes  No  
 6. Well Name: FEDERAL 11-90-15 Number: 1  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW,15,11S,90W,6  
 8. County GUNNISON 9. Field Name: RAGGED MOUNTAIN  
 10. Minerals:  Fee  State  Federal  Indian

11. Date of Test: 11/29/2022  
 12. Well Status:  Flowing  
 Shut In  Gas Lift  
 Pumping  Injection  
 Clock/Intermitter  
 Plunger Lift  
 13. Number of Casing Strings:  
 Two  Three  Liner?

**14. EXISTING PRESSURES**

Record all pressures as found	Tubing: <u>970</u> Fm: _____	Tubing: _____ Fm: _____	Prod Csg <u>380</u> Fm: _____	Intermediate Csg: <u>12</u>	Surf. Csg <u>14</u>
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**BRADENHEAD TEST**

With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (Bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.  
 Describe character of flow in "Bradenhead Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper  
 Describe fluid type in "Bradenhead Fluid" column: H = Water H2O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None

Buried valve? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
	01:00	970		380	12	CONTINUOUS	GAS
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	970		380	12	WHISPER	GAS
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____	10:00	970		380	12	WHISPER	GAS
	15:00	970		380	12	WHISPER	GAS
	20:00	970		380	12	WHISPER	GAS
	25:00	970		380	12	WHISPER	GAS
	30:00	970		380	12	WHISPER	GAS
REQUIRED - Instantaneous Bradenhead Pressure at End of Test: <u>0</u> PSIG							

### INTERMEDIATE CASING TEST

With gauges monitoring production, intermediate casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals.

Describe character of flow in "Intermediate Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper  
 Describe fluid type in "Intermediate Fluid" column: H = Water H<sub>2</sub>O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None.

Buried valve? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:	
	01:00	970		380		CONTINUOUS	GAS	
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	970		380		WHISPER	GAS	
	10:00	970		380		WHISPER	GAS	
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____	15:00	970		380		WHISPER	GAS	
	20:00	970		380		WHISPER	GAS	
	25:00	970		380		WHISPER	GAS	
	30:00	970		380		WHISPER	GAS	
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: <u>0</u> PSIG								

Comments: Bradenhead – continuous flow of gas for approx. 1 minute when bradenhead valve was opened. Flowed whisper of gas from 1 minute to >30 minutes. Blown through 1/4" needle valve.  
Intermediate – continuous flow of gas for approx. 1 minute when intermediate valve was opened. Flowed whisper of gas from 1 minute to >30 minutes. Blown through 1/4" needle valve.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed By: Jacob Harter Title: Consultant Phone: (970) 946-3761  
 Signed: Jacob Harter Title: Consultant Date: 12/7/2022  
 Witnessed By: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_