

State of Colorado
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.
 Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.
 Step 3. Conduct Bradenhead test.
 Step 4. Conduct intermediate casing test.
 Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 10395	3. BLM Lease No:	11. Date of Test: 05/28/2019
2. Name of Operator: Goodwin Energy Management	5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12. Well Status: <input type="checkbox"/> Flowing <input type="checkbox"/> Shut In
4. API Number: 05-001-07713-00	6. Well Name: Smith Number: 21-14	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection
7. Location (Ctr/Ctr, Sec, Twp, Rng, Meridian): NENW, 14, T2S, R6W	9. Field Name: Porter	<input type="checkbox"/> Check/Intermittent <input checked="" type="checkbox"/> Plunger Lift
8. County: Adams	10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian	13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?
14. STEP 1: EXISTING PRESSURES		
Record all pressures as found	Tubing: 425 Fm: J	Intermediate Casing: N/A Surface Casing: 0

16. STEP 3: BRADENHEAD TEST						
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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. Define characteristics of flow in "Bradenhead Flow" column using letter designations below. O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe): Sample cylinder number:	Elapsed Time (Min Sec)	Fm. Tubing	Fm. Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
	00					O
	05	425		600		O
	10	425		600		O
	15	425		600		O
	20	430		600		O
	25	430		600		O
	30	430		600		O
Note instantaneous Bradenhead PSIG at end of test: > 0						

17. STEP 4: INTERMEDIATE CASING TEST						
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below. O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe): Sample cylinder number:	Elapsed Time (Min Sec)	Fm. Tubing	Fm. Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
	00					
	05					
	10					
	15					
	20					
	25					
	30					
Note instantaneous Intermediate Casing PSIG at end of test: >						

18. Comments:

19. STEP 5: See instructions above.

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

Test Performed by: Scott Goodwin Title: CEO Phone: 303-881-2482
 Signed: *[Signature]* Title: Date: 05/28/19
 WITNESSED BY: Title: Agency: