FORM 17 Rev 6/99

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: 100185
2. Name of Operator: ENCANA OIL & GAS (USA) INC
3. BLM Lease No:
4. API Number: 05 123 37781 00
5. Multiple completion? ☐ Yes ☑ No
6. Well Name: VOGL-McCOY Number: 2H-5H-F267
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW Sec 5 Twp 2n Rng 67w Meridian 6
8. County: WELD
9. Field Name: WATTENBERG
10. Minerals: ☑ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 05/28/2014

12. Well Status: ☐ Flowing ☐ Shut in ☐ Gas Lift ☐ Pumping ☐ Injection ☐ Clock/Intermitter ☐ Plunger Lift

13. Number of Casing Strings: ☐ Two ☑ Three ☐ Liner?

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: Fm: n/a	Tubing: Fm: n/a	Prod. Casing: Fm: 0 psig	Intermediate Csg: 0 psig	Surface Casing: 350 psig

15. **STEP 2:** See instructions above.

16. **STEP 3: BRADENHEAD TEST**

Buried valve? ☐ Yes ☑ No Confirmed open? ☑ Yes ☐ 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:

D = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

BRADENHEAD SAMPLE TAKEN?
☑ Yes ☐ No ☑ Gas ☐ Liquid

Character of Bradenhead fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
00:	n/a	n/a	0	0	CG
05:	n/a	n/a	0	0	CG
10:	n/a	n/a	0	0	CG
15:	n/a	n/a	0	0	CGS
20:	n/a	n/a	0	0	CGS
25:	n/a	n/a	0	0	CGS
30:	n/a	n/a	0	0	CGS

Note instantaneous Bradenhead PSIG at end of test: > 5 psi

17. **STEP 4: INTERMEDIATE CASING TEST**

Buried valve? ☐ Yes ☑ No Confirmed open? ☑ Yes ☐ 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:

D = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☑ No ☐ Gas ☐ Liquid

Character of Intermediate fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
00:	n/a	n/a	0	0	O
05:					
10:					
15:					
20:					
25:					
30:					

Note instantaneous Intermediate Casing PSIG at end of test: > 0

18. Comments: Gas was burned at flare stack. Flare was dark orange to yellow in color and had burn length of 1 ft to 3 ft with surging. After 30 minute test, bradenhead valve shut in and pressure built back to 300 psi in 12 hrs.

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: Mr. Randy Burke Title: Encana Srvc Prov Drlg Rig Spvr Phone: 307 212 4700

Signed: Randy Burke Title: Date:

WITNESSED BY: Jerry L Martel Title: Encana Drlg Grp Agency: