

Well DIA w Ambush 23-13

date+time: 12/9/19 9:22



# State of Colorado Oil and Gas Conservation Commission

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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: <u>17320</u>		11. Date of Test: <u>12-9-19</u>	
2. Name of Operator: <u>City &amp; County of Denver</u>		12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut In	
4. API Number: <u>05-031-08820</u>		<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection	
5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Clock/Intermittent	
6. Well Name: <u>DIA w Ambush</u> Number: <u>23-13</u>		<input type="checkbox"/> Plunger Lift	
7. Location (Qtr, Sec, Twp, Rng, Meridian): <u>SUNE 23-25-650 68M</u>		13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?	
8. County: <u>Denver</u>		15. <b>STEP 2: See instructions above.</b>	
9. Field Name:			
10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			
14. <b>STEP 1: EXISTING PRESSURES</b>			
Record all pressures as found	Tubing: <u>330</u> Fm: <u>JSND</u>	Tubing: <u>330</u> Fm: <u>JSND</u>	Prod. Casing: <u>330</u> Intermediate Csg: <u>BH</u> Surface Casing:

16. <b>STEP 3: BRADENHEAD TEST</b>				
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: <u>JSND</u> Tubing:	Fm: <u>BH</u> Tubing:
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:				
		00:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		05:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		10:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		15:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		20:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		25:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
		30:	<u>330</u>	<u>330</u> <u>0</u> <u>0</u>
Note instantaneous Bradenhead PSIG at end of test: >				

17. <b>STEP 4: INTERMEDIATE CASING TEST</b>				
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No	Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: <u>JSND</u> Tubing:	Fm: <u>BH</u> Tubing:
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:				
		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: BILL FARMER Title: Agent Phone: 12/9/19Signed: Bill Farmer Title: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESSED BY: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_