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FORM	State of Colorado				STATE COLO				DE	ET	OE	ES		
17	Oil and Gas Conservation Commission													
Rev 6/99	Rev 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 6/99								ADDocument Number:					
	BRADENHEAD TEST REPORT 400066540													
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 3 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. OGC	1. OGCC Operator Number: 100322 3. BLM Lease No: 11. Date of Test: 02/22/2010													
2. Name of Operator: NOBLE ENERGY INC 12. Well Status: Flowing												<u>д</u>		
4. API Number; 05-123-05138-00 5. Multiple completion? Types No No Shut In Gas Lift														
6. Well Name: HERBST Number: 1 Pumping Injection														
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW,22,4N,64W,6										Clock/Intermitter				
8. County WELD 9. Field Name: WATTENBERG									R Plunger Lift					
10. Min	erals: 🔽 Fee 🚺 State		Federal	🔲 Ir	ndian			13. Number of Casing Strings:						
14. EXISTING PRESSURES														
Record a	all Tubing: 570 Tubing:	:	Prod Csg	580	Inte	rmediate	Surf. Csg	11						
pressure as found			Fm:		Csg	1:	0							
	[`````				008								\dashv	
BRADENHEAD TEST														
Buried valve? Yes X No					l Time c)	Fm: Tubing	Fm: Tubing:	Prod C PSIG	sg	Interme Csg PS		Bradenhea Flow:	ad	
Confirmed open? XYes No					0							D		
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					-	570	5	580						
													_	
	NHEAD SAMPLE TAKEN?												_	
BRADE	Yes XNo													
Yes No Gas Liquid Character of Bradenhead fluid: Clear Fresh														
Sulfur Salty Black														
	describe)										_			
Sample	cylinder number:			Instant	aneo	us Bradenl	head PSIG a	t end o	of test:	> 0				
		IN		ATE CA	SIN	G TEST							Ξ	
Buried \	valve? Yes No			Elapsed			Fm:	Prod C	sg	Interme		Bradenhea	ad	
Confirmed open? Yes No				(Min:Se	c)	Tubing	Tubing:	PSIG		Csg PS	IG	Flow:	_	
With gau	ges monitoring production, intermed	liate casing a	nd 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?														
Yes No Gas Liquid														
Charact	er of Intermediate fluid:										\dashv			
Sulfur Salty Black									\square					
Other:(describe)														
Sample	Sample cylinder number: Instantaneous Intermediate Casing PSIG at end of test: >													

Comments:										
I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.										
Test Performed By: Gary Brousseau	Title: Lead pumper	Phone: (970) 785-5000								
Signed: Gary Brousseau	Title: Lead pumper	Date: 6/2/2010								
Witnessed By:	Title:	Agency:								