



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
<http://emnr.state.nm.us/ocd/District/III/3district.htm>

# BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 10-27-2010 Operator Black Hills Gas Resources API #30-0 24309  
Property Name Jicarilla 464 Well No. 5 Location: Unit B Section 31 Township 30N Range 5W  
Well Status (Shut-In or Producing) Initial PSI: Tubing 20 Intermediate      Casing 23 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

| Testing | PRESSURE |                |           | INTERM |     |
|---------|----------|----------------|-----------|--------|-----|
|         | BH       | Bradenhead Int | Csg       | Int    | Csg |
| TIME    |          |                |           |        |     |
| 5 min   | <u>0</u> |                | <u>23</u> |        |     |
| 10 min  | <u>0</u> |                | <u>23</u> |        |     |
| 15 min  | <u>0</u> |                | <u>23</u> |        |     |
| 20 min  | <u>0</u> |                | <u>23</u> |        |     |
| 25 min  | <u>0</u> |                | <u>23</u> |        |     |
| 30 min  | <u>0</u> |                | <u>23</u> |        |     |

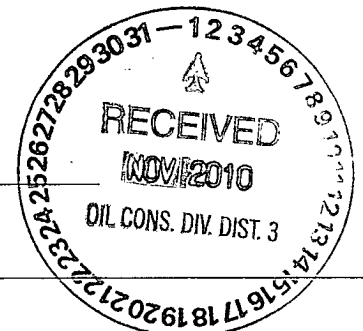
|                  | FLOW CHARACTERISTICS |              |
|------------------|----------------------|--------------|
|                  | BRADENHEAD           | INTERMEDIATE |
| Steady Flow      |                      |              |
| Surges           |                      |              |
| Down to Nothing  |                      |              |
| Nothing <u>✓</u> |                      |              |
| Gas              |                      |              |
| Gas & Water      |                      |              |
| Water            |                      |              |

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR      FRESH      SALTY      SULFUR      BLACK     

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0 INTERMEDIATE     

REMARKS:



By Chris Herlaugh  
lease operator  
(Position)

Witness     

E-mail address