



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://emrhd.state.nm.us/ocd/District/3/district.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-5-12 Operator Fourstar oil-cas API #30-045-24925

Property Name Campbell com Well No 1-E Location: Unit Section 15 Township 27 Range 10

Well Status (Shut-In or Producing) Initial PSI: Tubing 41 Intermediate N/A Casing 48.1 Bradenhead 28.3

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Table with columns: Testing TIME, Bradenhead (BH, Int, Csg), INTERM (Int, Csg). Rows for 5, 10, 15, 20, 25, 30 minutes. Data includes pressure readings and flow status like 'Trickle'.

FLOW CHARACTERISTICS
BRADENHEAD INTERMEDIATE

Flow characteristics form with checkboxes for Steady Flow, Surges, Down to Nothing, Nothing, Gas, Gas & Water, and Water (checked).

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

CLEAR X FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0.9 INTERMEDIATE N/A

REMARKS: Flowed water for 20 sec then dead for 6 min then trickle of water for rest of test. Returned approx 3/4 gallon of water total.

By Randy Calderone (Position)

Witness

E-mail address Randy.Calderone



# BAKER HUGHES

Farmington District Lab  
Water Analysis Report

Test # 2099

### Customer/Well Information

|            |                    |               |                        |
|------------|--------------------|---------------|------------------------|
| Company:   | Chevron            | Date:         | 9/17/2012              |
| Well Name: | Various            | Prepared for: |                        |
| Location:  |                    | Submitted by: | Allen Eaker            |
| State:     | County, New Mexico | Prepared by:  | Daniel Capehart        |
| Formation: |                    | Water Type:   | Produced               |
| Depth:     |                    | Tank #:       | CampbellCom1E Bradenhe |

### Background Information

Reason for Testing: \_\_\_\_\_  
 Completion type: \_\_\_\_\_  
 Well History: \_\_\_\_\_  
 Comments: \_\_\_\_\_

### Sample Characteristics

|                     |               |            |       |
|---------------------|---------------|------------|-------|
| Sample Temp:        | 78 (°F)       | Viscosity: | 1 cp  |
| pH:                 | 13.00         | Color:     | Clear |
| Specific Gravity:   | 1.005         | Odor:      | None  |
| S.G. (Corrected):   | 1.009 @ 60 °F | Turbidity: | Clear |
| Resistivity (Calc): | 1.52 Ω-m      | Filtrates: | None  |

### Sample Composition

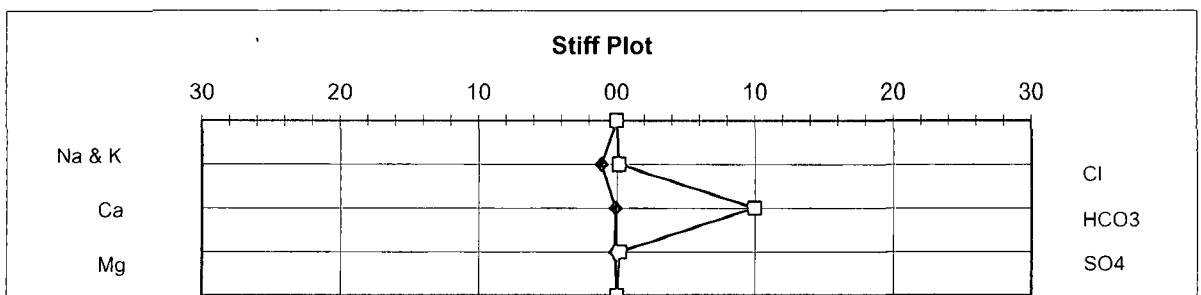
| CATIONS        | mg/l | me/l  | ppm  |
|----------------|------|-------|------|
| Sodium (calc.) | 2432 | 105.8 | 2420 |
| Calcium        | 20   | 1.0   | 20   |
| Magnesium      | 17   | 1.4   | 17   |
| Barium         | 0    | 0.0   | 0    |
| Potassium      | 300  | 7.7   | 299  |
| Iron           | 0.00 | 0.0   | 0.00 |

| ANIONS      | mg/l | me/l  | ppm  |
|-------------|------|-------|------|
| Chloride    | 500  | 14.1  | 498  |
| Sulfate     | 100  | 2.1   | 100  |
| Hydroxide   | 0    | 0.0   | 0    |
| Carbonate   | < 1  | ----  | ---- |
| Bicarbonate | 6106 | 100.1 | 6076 |

| SUMMARY                       | mg/l | me/l | ppm  |
|-------------------------------|------|------|------|
| Total Dissolved Solids(calc.) | 9175 |      | 9129 |
| Total Hardness as CaCO3       | 120  | 2.4  | 120  |

### Scaling Tendencies

|              |          |                                          |        |
|--------------|----------|------------------------------------------|--------|
| CaCO3 Factor | 122427.3 | Calcium Carbonate Scale Probability -->  | REMOTE |
| CaSO4 Factor | 2005     | Calcium Sulfate Scale Probability -----> | REMOTE |





**BAKER HUGHES**  
**Farmington District Lab**  
**Water Analysis Report**

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| State:     | County, New Mexico | Prepared by:  | Daniel Capehart         |
| Formation: |                    | Water Type:   | Produced                |
| Depth:     |                    | Tank #:       | CampbellCom1E Productio |

**Background Information**

Reason for Testing: \_\_\_\_\_  
 Completion type: \_\_\_\_\_  
 Well History: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**Sample Characteristics**

|                     |               |            |       |
|---------------------|---------------|------------|-------|
| Sample Temp:        | 78 (°F)       | Viscosity: | 1 cp  |
| pH:                 | 4.00          | Color:     | Clear |
| Specific Gravity:   | 1.000         | Odor:      | None  |
| S.G. (Corrected):   | 1.004 @ 60 °F | Turbidity: | Clear |
| Resistivity (Calc): | 8.62 Ω-m      | Filtrates: | None  |

**Sample Composition**

| CATIONS        | mg/l  | me/l | ppm   |
|----------------|-------|------|-------|
| Sodium (calc.) | 30    | 1.3  | 30    |
| Calcium        | 40    | 2.0  | 40    |
| Magnesium      | < .5  | ---- | ----  |
| Barium         | 0     | 0.0  | 0     |
| Potassium      | 0     | 0.0  | 0     |
| Iron           | 25.00 | 0.9  | 25.00 |

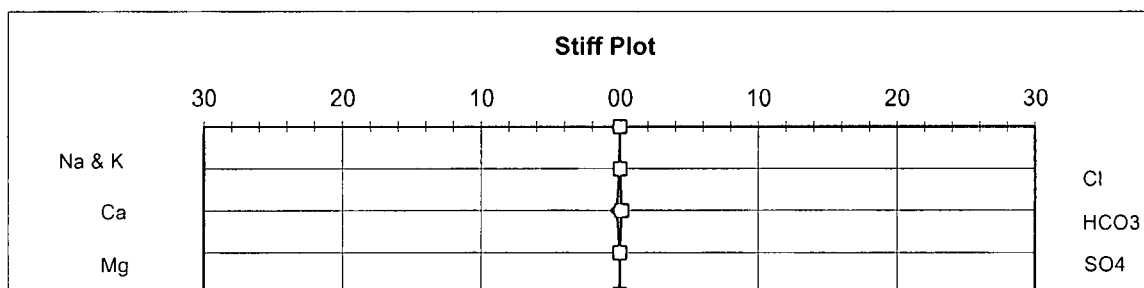
| ANIONS      | mg/l | me/l | ppm  |
|-------------|------|------|------|
| Chloride    | 100  | 2.8  | 100  |
| Sulfate     | 0    | 0.0  | 0    |
| Hydroxide   | 0    | 0.0  | 0    |
| Carbonate   | < 1  | ---- | ---- |
| Bicarbonate | 85   | 1.4  | 85   |

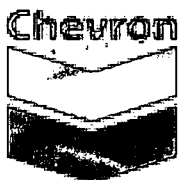
**SUMMARY**

|                               |     |     |     |
|-------------------------------|-----|-----|-----|
| Total Dissolved Solids(calc.) | 281 |     | 281 |
| Total Hardness as CaCO3       | 100 | 2.0 | 100 |

**Scaling Tendencies**

CaCO3 Factor 3424.54 Calcium Carbonate Scale Probability --> REMOTE  
 CaSO4 Factor 0 Calcium Sulfate Scale Probability -----> REMOTE





# Campbell Com 1E

## San Juan County, New Mexico

### Current Well Schematic as of May 14, 2010

