

APACHE CORPORATION  
LOCATION EXCEPTION CD 201305853-T ★  
INCREASE WELL DENSITY CD 201305854-T  
Section 30-12N-22W  
Beckham County, Oklahoma

I. INDIVIDUAL WELL DATA FOR EXISTING WELLS IN SEC. 30:

A. Simmons 1-30

- 1. Operator: Apache Corporation
- 2. Tested Formation: Red Fork
- 3. Completion Date: 3/29/1982
- 4. Ultimate Recovery: 0.022 BCF

*Bise  
Cruchon  
3  
9-30-13*

B. Simmons 1-30

- 1. Operator: Apache Corporation
- 2. Tested Formation: Hoxbar
- 3. Completion Date: 3/29/1986
- 4. Ultimate Recovery: 27,281 STB

C. Simmons 2-30

- 1. Operator: Apache Corporation
- 2. Tested Formation: Atoka
- 3. Completion Date: 10/16/1985
- 4. Ultimate Recovery: 0.740 BCF

D. Simmons, J. R. 1-30

- 1. Operator: Dyco Petroleum Corporation
- 2. Tested Formation: Morrow, Upper
- 3. Completion Status: Dry and Abandoned

E. Gladys 1-30

- 1. Operator: Chesapeake Operating Corporation
- 2. Tested Formation: Morrow
- 3. Completion Date: 2/14/1998
- 4. Ultimate Recovery: 0.415 BCF

F. Gladys 1-30

- 1. Operator: Chesapeake Operating Corporation
- 2. Tested Formation: Atoka
- 3. Completion Date: 6/4/2007
- 4. Estimated Ultimate Recovery: 0.228 BCF

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INDIVIDUAL WELL DATA FOR EXISTING WELLS IN SEC. 30 Continued

G. Simmons 3-30H

1. Operator: Apache Corporation
2. Tested Formation: Hoxbar
3. Completion Date: 3/27/2013
4. Estimated Ultimate Recovery: 325,000 STB

**II. RESERVOIR DATA UNDERLYING SEC. 30 (Hoxbar):**

Initial Oil Formation Volume Factor: 1.393 rb/STB  
Reservoir Temperature: 153°F  
Estimated Recovery Factor: 15%

HCPV = 0.084594  
Ac-Ft = 10,835

**III. VOLUMETRIC ANALYSIS:**

$$\text{Rec. OIP} = \frac{7758(\text{Ac-Ft})(\text{HCPV})(\text{RF})}{\text{Boi}}$$

Rec. OIP = 765,700

**IV. RESERVES UNRECOVERABLE FROM EXISTING WELLS IN SEC. 30 (Hoxbar):**

766,700 STB OIP – 352,281 STB EUR = 414,419 STB Remaining