

WELL NAME AND NUMBER J#8 Tipperary S.W/4-29 Unit #1  
LOCATION Section 29, T16S, R37E, Lea County  
(Give Unit, Section, Township and Range)  
OPERATOR Tipperary Petroleum  
DRILLING CONTRACTOR McVay Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4 199</u>	<u>1 4,840</u>	<u>2-3/4S 49 W 8,627</u>
<u>1 371</u>	<u>3/4 5,338</u>	<u>2 1/2 S 45W 8,720</u>
<u>3/4 694</u>	<u>3/4 5,838</u>	<u>1 1/2 8,837</u>
<u>1/2 1,199</u>	<u>0 6,341</u>	<u>2 8,898</u>
<u>1 1,670</u>	<u>3/4 6,654</u>	<u>5 8,891</u>
<u>1/4 2,137</u>	<u>3/4 6,957</u>	<u>5 1/2 9,034</u>
<u>1/2 2,640</u>	<u>1/2 7,456</u>	<u>5 1/2 9,089</u>
<u>2 3,140</u>	<u>1/4 7,957</u>	<u>4 1/2 9,152</u>
<u>2 3,213</u>	<u>0 8,456</u>	<u>4 9,214</u>
<u>2 3,339</u>	<u>0 8,660</u>	<u>5 1/2 9,277</u>
<u>1-3/4 3,589</u>	<u>3/4 8,670</u>	<u>4 1/2 9,340</u>
<u>1-3/4 3,745</u>	<u>1 8,770</u>	<u>4 1/2 9,397</u>
<u>1-3/4 3,934</u>	<u>3 1/2 8,840</u>	<u>4 1/2 9,459</u>
<u>1-1/4 4,244</u>	<u>5 1/2 8,870</u>	<u>4 9,553</u>
<u>1 4,548</u>	<u>1-3/4 545 W 8,579</u>	<u>4 9,646</u>

Drilling Contractor McVay Drilling Company

By: Juan Hernandez

Subscribed and sworn to before me this 2nd day of December, 19 87

Phyllis Jean Carr  
Notary Public

My Commission Expires: December 27, 1987

Lea County New Mexico

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DEC 3 1967  
OCD  
HOBBS OFFICE

WELL NAME AND NUMBER g #8 Tipperary S.W/4-29 Unit

LOCATION Section 29, T16S, R37E, Lea County  
(Give Unit, Section, Township and Range)

OPERATOR Tipperary Petroleum

DRILLING CONTRACTOR McVay Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>4 9,742</u>	<u>                    </u>	<u>                    </u>
<u>5 9,836</u>	<u>                    </u>	<u>                    </u>
<u>4 9,899</u>	<u>                    </u>	<u>                    </u>
<u>4 9,993</u>	<u>                    </u>	<u>                    </u>
<u>4 10,087</u>	<u>                    </u>	<u>                    </u>
<u>3½ 10,213</u>	<u>                    </u>	<u>                    </u>
<u>3 10,339</u>	<u>                    </u>	<u>                    </u>
<u>2-3/4 10,451</u>	<u>                    </u>	<u>                    </u>
<u>2½ 10,609</u>	<u>                    </u>	<u>                    </u>
<u>1 10,764</u>	<u>                    </u>	<u>                    </u>
<u>1 10,883</u>	<u>                    </u>	<u>                    </u>
<u>1½ 11,134</u>	<u>                    </u>	<u>                    </u>
<u>1/2 11,210</u>	<u>                    </u>	<u>                    </u>
<u>1½ 11,134</u>	<u>                    </u>	<u>                    </u>
<u>1½ 11,390</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor McVay Drilling Company

By: Joe McVay

Subscribed and sworn to before me this 2 day of December, 1987

Phyllis Jean Courtwright  
Notary Public

My Commision Expires: December 27, 1987

Lea County New Mexico