

WELL NAME AND NUMBER Hannigan Federal #2

RECEIVED

LOCATION Eddy Section 1, TW 19S- R-31 East  
(Give Unit, Section, Township and Range)

OCT 23 1980

OPERATOR Joe Don CookO. C. D.  
ARTESIA, OFFICEDRILLING CONTRACTOR Kenai Drilling of New Mexico

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>
Dept. Degrees-		
400 <u>1.0</u> <u>6.98</u>	7540 <u>2.0</u> <u>263.49</u>	
900 <u>0.25</u> <u>3.93</u>	8140 <u>2.50</u> <u>355.50</u>	
1400 <u>0.75</u> <u>18.23</u>	8600 <u>2.50</u> <u>375.13</u>	
1890 <u>0.50</u> <u>16.58</u>	9130 <u>2.5</u> <u>399.12</u>	
2410 <u>1.50</u> <u>61.09</u>	9432 <u>2.5</u> <u>412.21</u>	
2750 <u>2.0</u> <u>95.97</u>	9749 <u>2.0</u> <u>340.27</u>	
2826 <u>1.75</u> <u>85.51</u>	10144 <u>1.25</u> <u>221.47</u>	
3000 <u>1.0</u> <u>52.35</u>	10650 <u>1.5</u> <u>278.02</u>	
3550 <u>1.25</u> <u>77.46</u>	11152 <u>2.0</u> <u>389.13</u>	
4000 <u>1.0</u> <u>69.80</u>	11560 <u>3.0</u> <u>604.52</u>	
4510 <u>1.0</u> <u>78.53</u>	12070 <u>4.0</u> <u>840.61</u>	
4870 <u>0.75</u> <u>64.10</u>	12250 <u>4.0</u> <u>854.56</u>	
5300 <u>0.75</u> <u>69.38</u>		
5740 <u>0.75</u> <u>75.27</u>		
6540 <u>1.0</u> <u>114.30</u>		
7040 <u>1.25</u> <u>152.74</u>		

Drilling Contractor KENAI DRILLING OF NEW MEXICOSubscribed and sworn to before me this 20<sup>th</sup> day of October, 1980By: Earl L. Ellison, Drlg. Supt.Charlotte M. Penning  
Notary PublicMy Commission Expires: 3-12-82Bernalillo County New Mexico