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DRILLING PROGNOSIS  
Barton Federal No. 2  
Page Four

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O. C. C.  
ARTESIA, OFFICE

3. Deviation shall not change more than  $1 \frac{1}{2}^{\circ}$  in any 100' interval. If deviation exceeds  $1 \frac{1}{2}^{\circ}$  per 100', a reamer shall be run to wipe out dog leg. If deviation exceeds  $2^{\circ}$  per 100', the hole shall be plugged back and straightened.
4. Maximum deviation shall be allowed as follows:

|              |    |               |    |
|--------------|----|---------------|----|
| 0 - 2000'    | 2° | 6000 - 8000'  | 5° |
| 2000 - 4000' | 3° | 8000 - 10000' | 6° |
| 4000 - 6000' | 4° | 10000 - T.D.  | 7° |

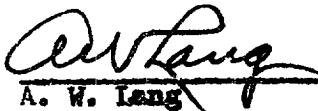
ESTIMATED FORMATION TOPS:

|                  |        |
|------------------|--------|
| Top Anhydrite    | 700'   |
| Top Salt         | 850'   |
| Base Salt        | 2230'  |
| Top Yates        | 2430'  |
| Top Seven Rivers | 2660'  |
| Delaware         | 4700'  |
| Bone Springs     | 7090'  |
| 1st Sand         | 8340'  |
| 2nd Sand         | 9100'  |
| 3rd Sand         | 9890'  |
| Wolfcamp Lime    | 10520' |
| Cisco Shale      | 10700' |
| Strawn Lime      | 11400' |
| T.D.             | 11600' |

APPROVED:

  
A. R. Gibson

  
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