

Case 262  
mar. hearing

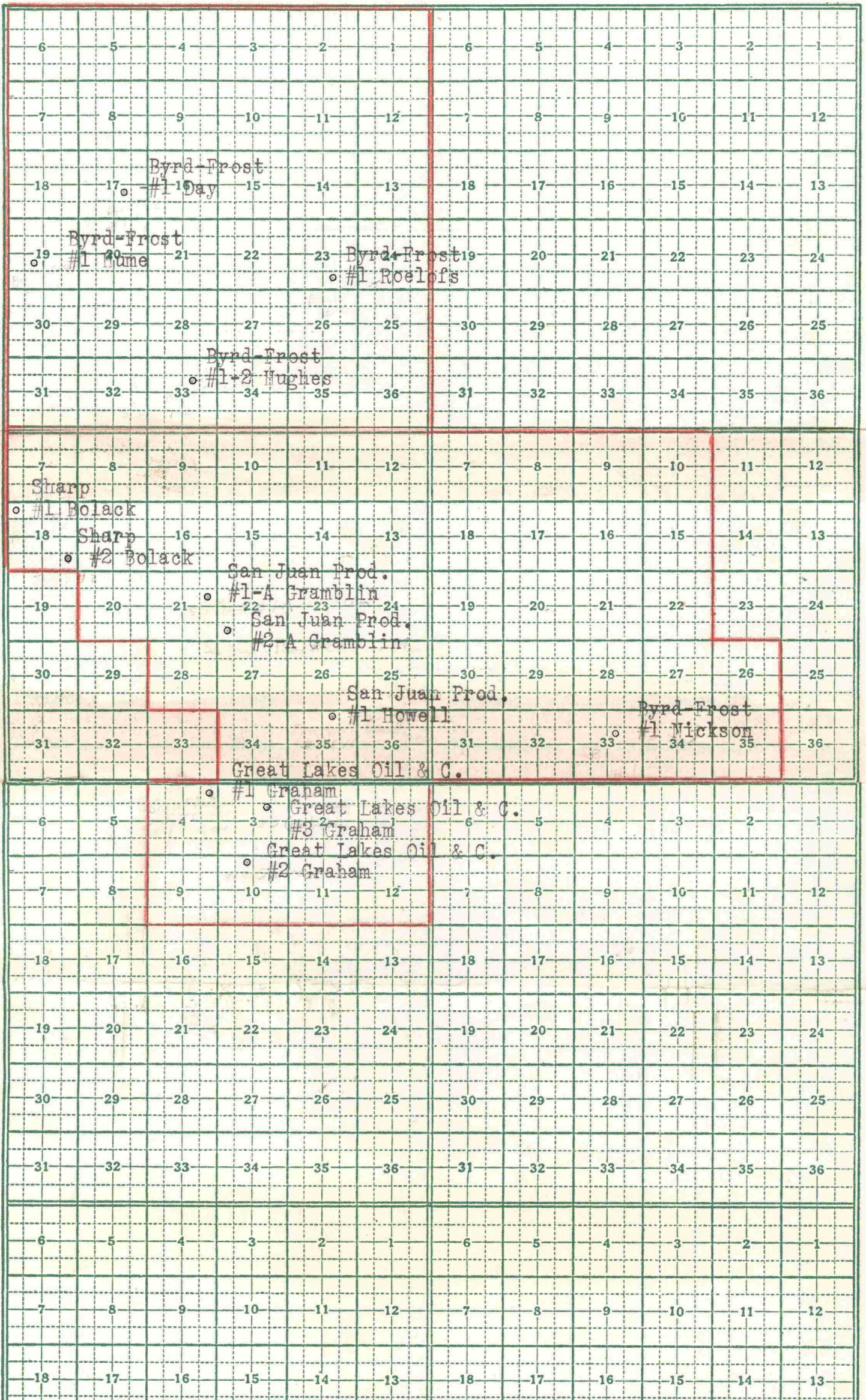
Township.....Range..... Township.....Range.....

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| AGE                               | FORMATION                                                                                                     | CHARACTER         |                                              | REMARKS                                                                                                                                     |  |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Eocene and<br>Paleocene           | Wasatch fm                                                                                                    | 250'-2000'        | Gray to brn ss<br>& varg. sh.                |                                                                                                                                             |  |
| Paleocene and<br>Upper Cretaceous | Nacimiento grp<br>(Torrejon & Puerco)                                                                         | 1200'-3000'       | Brn & gray ss.<br>grnsh & gray sh            |                                                                                                                                             |  |
|                                   | Animas Fm.  Ojo Alamo<br>ss. | 50'-300'          | Brn ss with varg sh<br>conglomeratic         |                                                                                                                                             |  |
| UPPER<br>CRETACEOUS               | McDermott Fm                                                                                                  | 30'-240'          | Andesitic ss & sh                            |                                                                                                                                             |  |
|                                   | Kirtland sh.<br>(Farmington ss)                                                                               | 630'-1180'        | Gray sh &<br>brn ss                          | Farmington ss. produces gas or oil<br>at Aztec, Blanco, Bloomfield<br>and Wyper.                                                            |  |
|                                   | Fruitland fm                                                                                                  | 200'-525'         | Gray sh with<br>gray & brn ss                |                                                                                                                                             |  |
|                                   | Pictured Cliffs ss                                                                                            | 30'-300'          | Lt gray ss with sh                           | Pictured Cliffs ss. produces gas at Blanco,<br>Gavilan, Kutz Canyon-Fulcher Basin and Rosa.                                                 |  |
|                                   | Lewis sh                                                                                                      | 2000'             | Gray sh with<br>ss lenses                    |                                                                                                                                             |  |
|                                   | Mesaverde grp.<br>Cliff House ss.<br>Menefee sh<br>Point Lookout ss                                           | 300'-1800'        | Massive ss & brn.&<br>gray sh with coal beds | Mesaverde produces oil or gas at Blanco,<br>Hospah, Kutz Canyon-Fulcher Basin,<br>La Plata, Red Mountain, Seven Lakes,<br>and Stoney Butte. |  |
|                                   | Mancos sh.                                                                                                    | 800'-2100'        | Dk gray sh with ss<br>lenses, calc at base   | Mancos shale has produced small<br>quantities of oil at Cromc, Mancos<br>Creek and Red Mesa                                                 |  |
|                                   | Dakota ss                                                                                                     | 150'-250'         | Lt brn ss with<br>sh lenses                  | Dakota ss has produced oil or gas at Angeles Peak,<br>Barker Creek, Hogback, Lindrih, Price, Rattlesnake,<br>Table Mesa and Ute Dome.       |  |
| JURASSIC                          | Morrison fm.                                                                                                  | 300'-600'         | Gray & brn. ss<br>with varg. sh.             |                                                                                                                                             |  |
|                                   | San Rafael<br>group                                                                                           | Summerville equiv | 80'                                          | Red-brn gypsif sh                                                                                                                           |  |
|                                   |                                                                                                               | Wanakah fm        | 0'-100'                                      | Gypsum & lst.                                                                                                                               |  |
|                                   |                                                                                                               | Entrada ss        | 50'-200'                                     | Red & orange red ss<br>with dk red sh.                                                                                                      |  |
|                                   | Glen Canyon<br>group                                                                                          | Carmel fm         | 25'-100'                                     | Sft red-brn sdy. sh                                                                                                                         |  |
|                                   |                                                                                                               | Navajo ss         | 0'-300'                                      | Buff & red ss                                                                                                                               |  |
|                                   |                                                                                                               | Kayenta fm        | 0'-40'                                       | Red-brn sdy sh<br>locally calc.                                                                                                             |  |
| TRIASSIC                          | Wingate ss                                                                                                    | 0'-750'           | Dk red-brn sft ss.                           |                                                                                                                                             |  |
|                                   | Chinle fm                                                                                                     | 1500'             | Red sh & ss                                  |                                                                                                                                             |  |
|                                   | Shinarump cong.                                                                                               | 0'-125'           | Crn to red-brn crs. ss.&cong                 |                                                                                                                                             |  |
| PERMIAN                           | Moenkopi fm.                                                                                                  | 0'-200'           | Red-brn choc & gray sh<br>locally calc.      |                                                                                                                                             |  |
|                                   | Cutler fm.                                                                                                    | 1400'             | Red ss. & red sh.                            |                                                                                                                                             |  |
| PENNSYLVANIAN                     | Rico fm                                                                                                       | 0'-150'           | Red-brn. shs with thin lsts.                 |                                                                                                                                             |  |
|                                   | Hermosa fm.                                                                                                   | 7000'-2000'       | Lst. ss.&sh                                  |                                                                                                                                             |  |
|                                   | Paradox fm                                                                                                    | 0'-3000'          | Salt, gypsum & blk sh<br>with thin lst       | The Pennsylvanian has produced oil<br>or gas at Barker Cr., Dove Cr., Rattlesnake<br>and Ute Dome.                                          |  |
| MISSISSIPPIAN                     | Molas fm                                                                                                      | 25'-100'          | Dk gray & purple sh                          |                                                                                                                                             |  |
|                                   | Leadville lst.                                                                                                | 100'              | White & brn lst.                             | The Ouray-Leadville lst series have produced<br>substantial gas shows at Rattlesnake & Tootito Dome.<br>This gas is high in helium          |  |
| DEVONIAN                          | Ouray lst                                                                                                     | 100'              | Gray lst                                     |                                                                                                                                             |  |
|                                   | Elbert fm.                                                                                                    | 0'-150'           | Lst. ss & sh.                                |                                                                                                                                             |  |
| CAMBRIAN                          | Ignacio quartzite                                                                                             | 0'-80'            | Quartzite, sdy. sh & cong.                   |                                                                                                                                             |  |
| PRE CAMBRIAN                      |                                                                                                               |                   | Granite & schist                             |                                                                                                                                             |  |

### GENERALIZED STRATIGRAPHIC SECTION OF THE SAN JUAN BASIN

NEW MEXICO OIL CONSERVATION COMMISSION  
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Santa Fe, New Mexico  
1949

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GEO. HENSHAW

Thicknesses not to scale

Drafted by: H. H. Rhoades

LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE