

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATIONS OF MEWBOURNE OIL
COMPANY FOR COMPILSORY POOLING,
LEA COUNTY, NEW MEXICO.

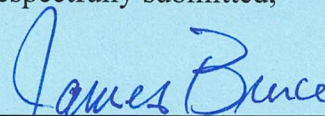
Case Nos. 23365 & 23366

NOTICE OF FILING AMENDED EXHIBITS

As requested at the hearing, Mewbourne Oil Company submits for filing Amended Exhibit 11, with Amended Exhibit 11-A and (original) Exhibit 11-B attached.

This notice is being submitted to all parties of record.

Respectfully submitted,



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Attorney for Mewbourne Oil Company

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.**

Case No. 23365

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.**

Case No. 23366

SELF-AFFIRMED STATEMENT OF NICK STOWERS

Nick Stowers deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a petroleum engineer for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the engineering matters involved in these cases.
3. I have not previously been qualified by the Division as an expert petroleum engineer. My educational and employment background is as follows:
 - B.S. in Petroleum Engineering from the University of Oklahoma – Graduated May 2016
 - Mewbourne Oil Company Reservoir Engineer, Oklahoma City: May 2016 – May 2018
 - Mewbourne Oil Company Operations Engineer, Perryton Texas: May 2018 – August 2020
 - Mewbourne Oil Company Reservoir Engineer, Midland Texas: August 2020 – present
4. I have prepared the exhibits for this hearing marked as Exhibits 11-A and 11-B.
5. Exhibit 11-A is a gun barrel diagram of Mewbourne’s Inland and Dolly Varden wells. It shows well spacing relative to offset wells in the same formation. It also shows well name, twelve-month cumulative oil production per lateral foot, fluid and proppant intensity per lateral foot, and first production dates. This exhibit highlights the similarity in twelve-month cumulative oil production between the Inland B2NK and Inland B2PI wells despite an increase in offset well spacing and a proppant intensity of 2500 pounds per foot. This shows that there are other factors such as offset timing, length of wellbore being offset, and geology that can impact well performance.
6. Exhibit 11-B is a map of area Second Bone Spring horizontals completed with greater than 1900 pounds per lateral foot proppant intensity. Below the map is a plot of twelve-

Amended
EXHIBIT 11

month cumulative oil production per lateral foot versus completion proppant intensity. This exhibit was prepared to show there is no discernable correlation in the data between cumulative oil production per foot and proppant intensity when comparing 2000 pounds per foot to 2500 pounds per foot.

I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 41 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

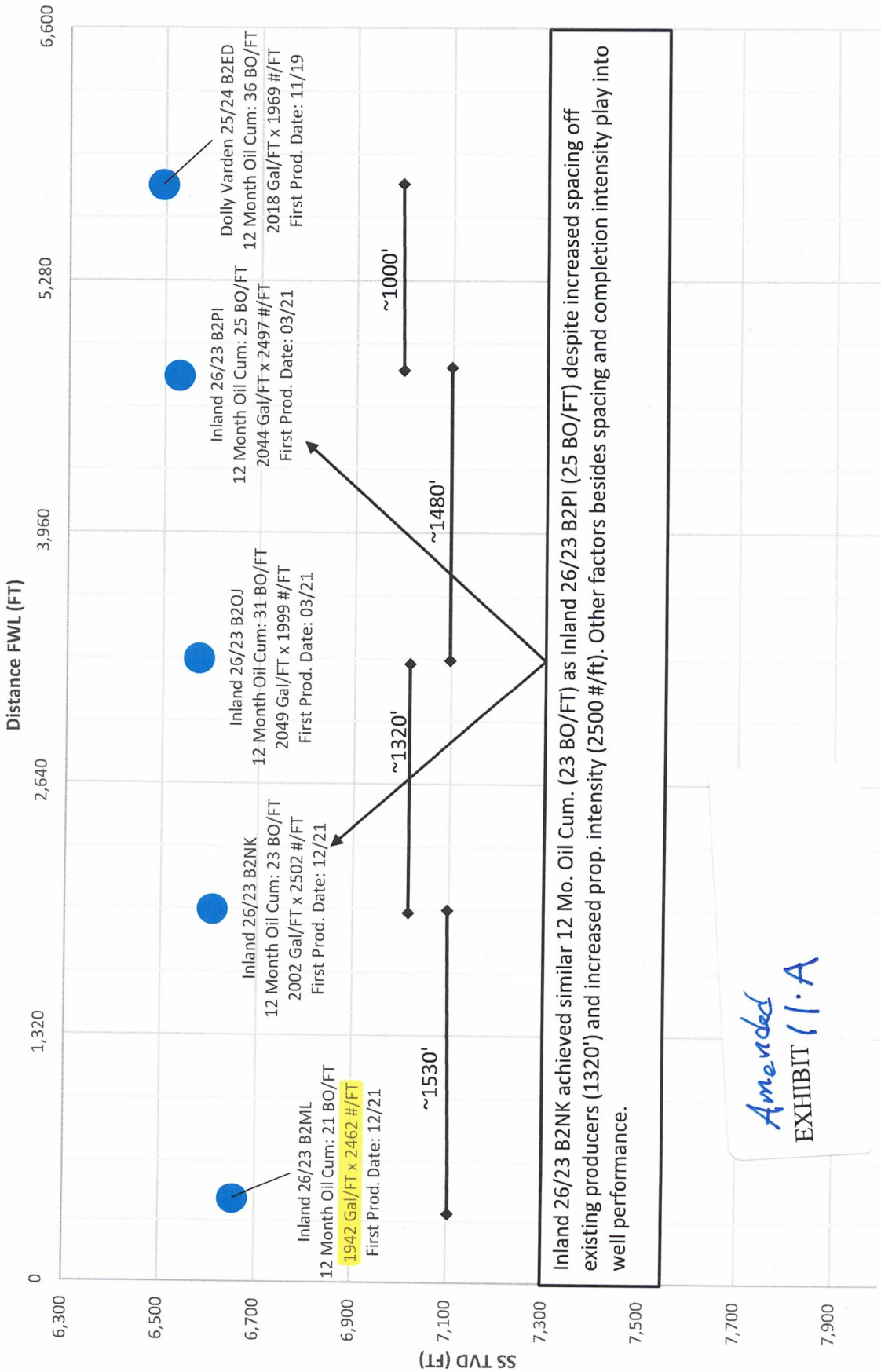
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9-21-2023



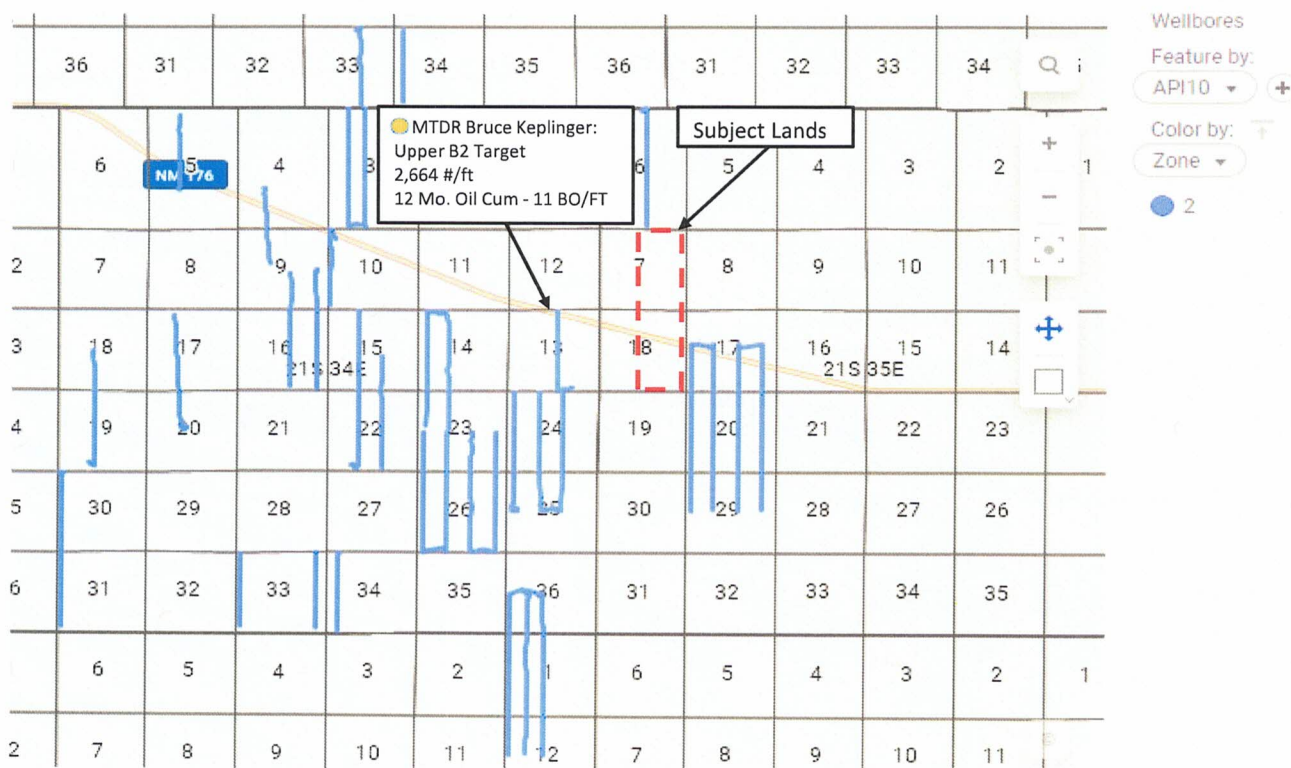
Nick Stowers

Inland/Dolly Varden Gun Barrel Diagram



Amended
EXHIBIT 11.A

Area 2nd Bone Sand Horizontals completed with > 1,900 #/ft



Area 2nd Sand Horizontals 12 Mo Oil Cum/FT vs Sand/FT

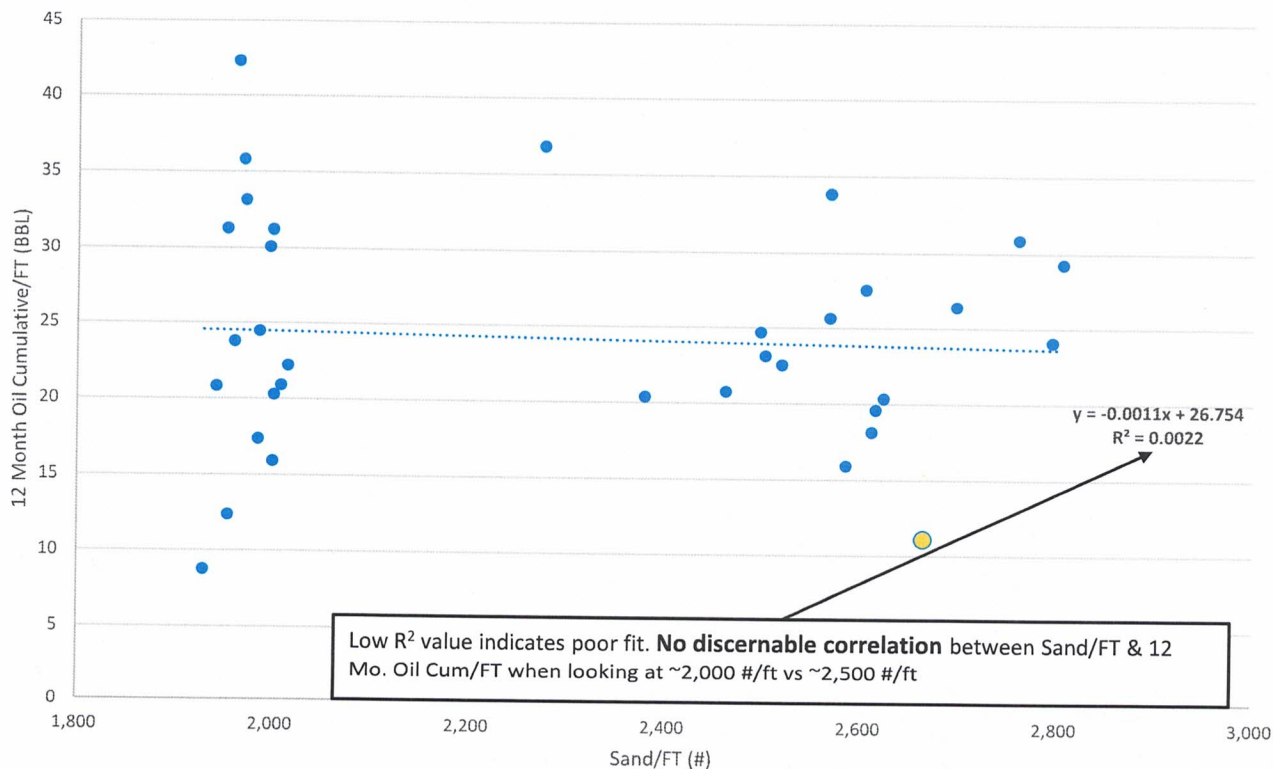


EXHIBIT 11.B