

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

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 16496

VERIFIED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Charles Crosby, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map of the Base of the 2nd Bone Spring Sand formation. It shows that structure dips consistently to the south. It also shows a line of cross-section.
 - (b) Attachment B is a gross sand isopach of the Lower 2nd Bone Spring Sand, the test zone for the proposed Loco Hills 1-2 B2AB Fed Com. Well No. 1H. It shows that the sand across the well unit has a uniform thickness of approximately 180 feet.
 - (c) Attachment C is a west-east cross section. The well logs on the cross-section give a representative sample of the 2nd Bone Spring Sand formation in this area. The target zone for the well is the Lower 2nd BSPG Sand, and that zone is continuous across the well unit.
4. I conclude from the maps that:
 - (a) The horizontal spacing unit is justified from a geologic standpoint.
 - (b) Each quarter-quarter section in the unit will contribute more or less equally to production.
 - (c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.

EXHIBIT

A

5. Attachment ^DE is the Survey Calculation Report. The producing interval of the proposed well will be orthodox.



Charles Crosby

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Charles Crosby, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

CS

Charles Crosby

SUBSCRIBED AND SWORN TO before me this 29th day of October, 2018 by Charles Crosby.

My Commission Expires: January 11, 2022

Alejandra Kirksey

Notary Public

