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

APPLICATION OF KAISER-FRANCIS OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20050

## VERIFIED STATEMENT OF MITCH SULLIVAN

COUNTY OF	)
	) ss.
STATE OF OKLAHOMA	)

Mitch Sullivan, being duly sworn upon his oath, deposes and states:

- 1. I am over the age of 18, and have personal knowledge of the geological matters stated herein. I am a geologist for Kaiser-Francis Oil Company ("KFOC").
- 2. I have not been qualified by the Division as an expert petroleum geologist. My educational and employment background is as follows: I have a Bachelor in Science degree in geology from the University of Oklahoma. I have been employed by KFOC for over 10 years as a geologist, and I have 6 years of experience in the Permian Basin.

My area of responsibility at KFOC includes this portion of Southeast New Mexico.

- 3. The following geological plats are attached hereto:
- (a) Attachment A is a structure map on the top of the First Bone Spring zone. It shows that structure dips gently to the south-southeast. It also shows Bone Spring wells in the vicinity of the proposed Bell Lake Unit South Block Well No. 212H, and a line of cross-section.
- (b) Attachment B is a Gross Isopach map of the First Bone Spring zone. The First Bone Spring zone has uniform thickness across the proposed well unit.
- (c) Attachment C is a Stratigraphic First Bone Spring cross section. The well logs on the cross-section give a representative sample of the Bone Spring formation in this area. The target zone for the well is the First Bone Spring zone, 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.

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- (b) Each quarter section in the well unit will contribute more or less equally to production from the well.
- (c) There is no faulting or other geologic impediment which will adversely affect the drilling of the subject well.
- 5. KFOC sees no preference geologically for standup or laydown wells in this area. However, the Ball Lake Unit is being drilled on 1-1/2 mile standup units.

## **VERIFICATION**

STATE OF OKLAHOMA	)	
	) ss	
COUNTY OF TULSA	)	

Mitch Sullivan, being duly sworn upon his oath, deposes and states that: He is a geologist for Kaiser-Francis 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.

Mitch Sullivan

SUBSCRIBED AND SWORN TO before me this 13th day of November, 2018 by Mitch Sullivan.

My Commission Expires: 2-20-2

Notary Public
State of Oklahoma
SHANNON LEAMAN
TULSA COUNTY
COMMISSION #09001751
Comm. Exp. 02-20-2021







