

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. ⁵20296
+20297

VERIFIED STATEMENT OF MITCH SULLIVAN

COUNTY OF TULSA)
) 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 been qualified by the Division as an expert petroleum geologist.

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 Wolfcamp A Wolfcamp zone. It shows that structure dips gently to the West/Southwest. It also shows Wolfcamp wells in the vicinity of the proposed Red Hills Well Nos. 402H and 403H, and a line of cross-section.

(b) Attachment B is a Gross Sand Isopach map of the Wolfcamp A Wolfcamp zone. The Wolfcamp A zone has uniform thickness across the proposed well unit.

(c) Attachment C is a Stratigraphic-Wolfcamp A cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zone for the well is the Wolfcamp A 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.

(b) Each quarter section in the well unit will contribute more or less equally to production from the wells.

EXHIBIT 4

(c) There is no faulting or other geologic impediment which will adversely affect the drilling of the subject wells.

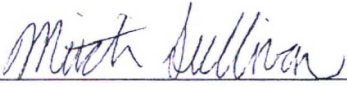
5. KFOC sees no difference for standup or laydown wells in this area. KFOC chose standup due to our lease configuration..

6. Attachment D contains the proposed horizontal drilling plan for the well. The producing interval of the well will be orthodox, and will comply with Division setback requirements.

VERIFICATION

STATE OF OKLAHOMA)
) ss.
COUNTY OF TULSA)

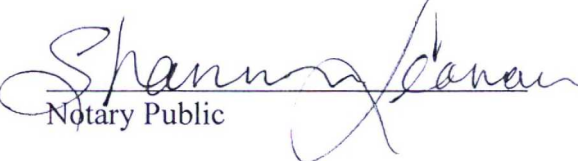
Mitch Sullivan, being duly sworn upon his oath, deposes and states that: He is a geologist for Kaiser-Francis Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his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



Mitch Sullivan

SUBSCRIBED AND SWORN TO before me this 1st day of March, 2019 by Mitch Sullivan.

My Commission Expires: 2-20-21



Notary Public



KAISER-FRANCIS OIL CO

Delaware Basin

Wolfcamp A Structure



POSTED WELL DATA

FMTOPS - TOP_WOLF CAMP[MLS] (SS) (FEET)

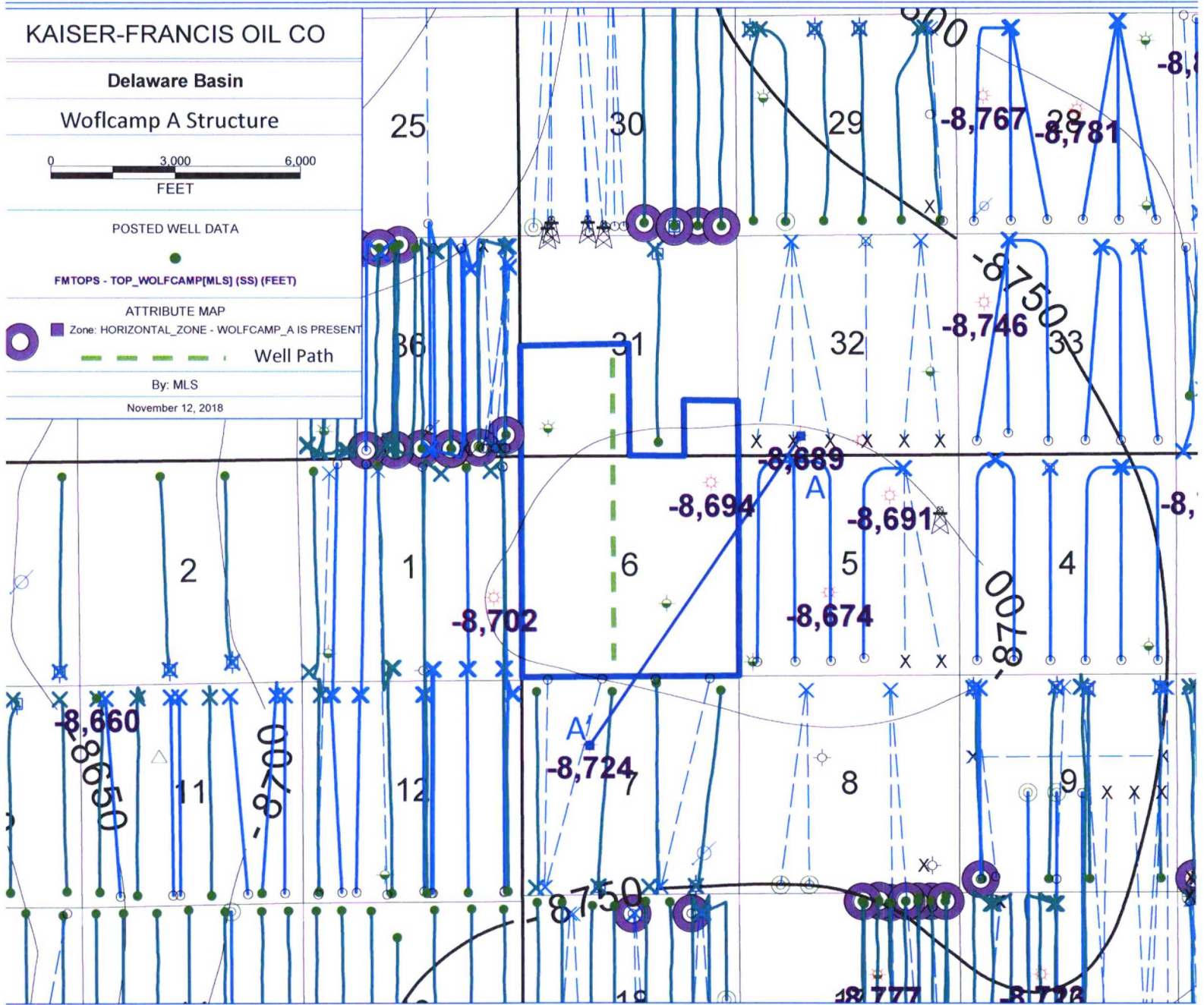
ATTRIBUTE MAP

Zone: HORIZONTAL_ZONE - WOLF CAMP_A IS PRESENT

Well Path

By: MLS

November 12, 2018



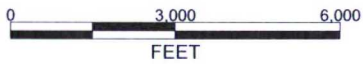
DA 11/12/2018 2:53:13 PM

ATTACHMENT A

KAISER-FRANCIS OIL CO

Delaware Basin

Wolfcamp A Isopach



POSTED WELL DATA

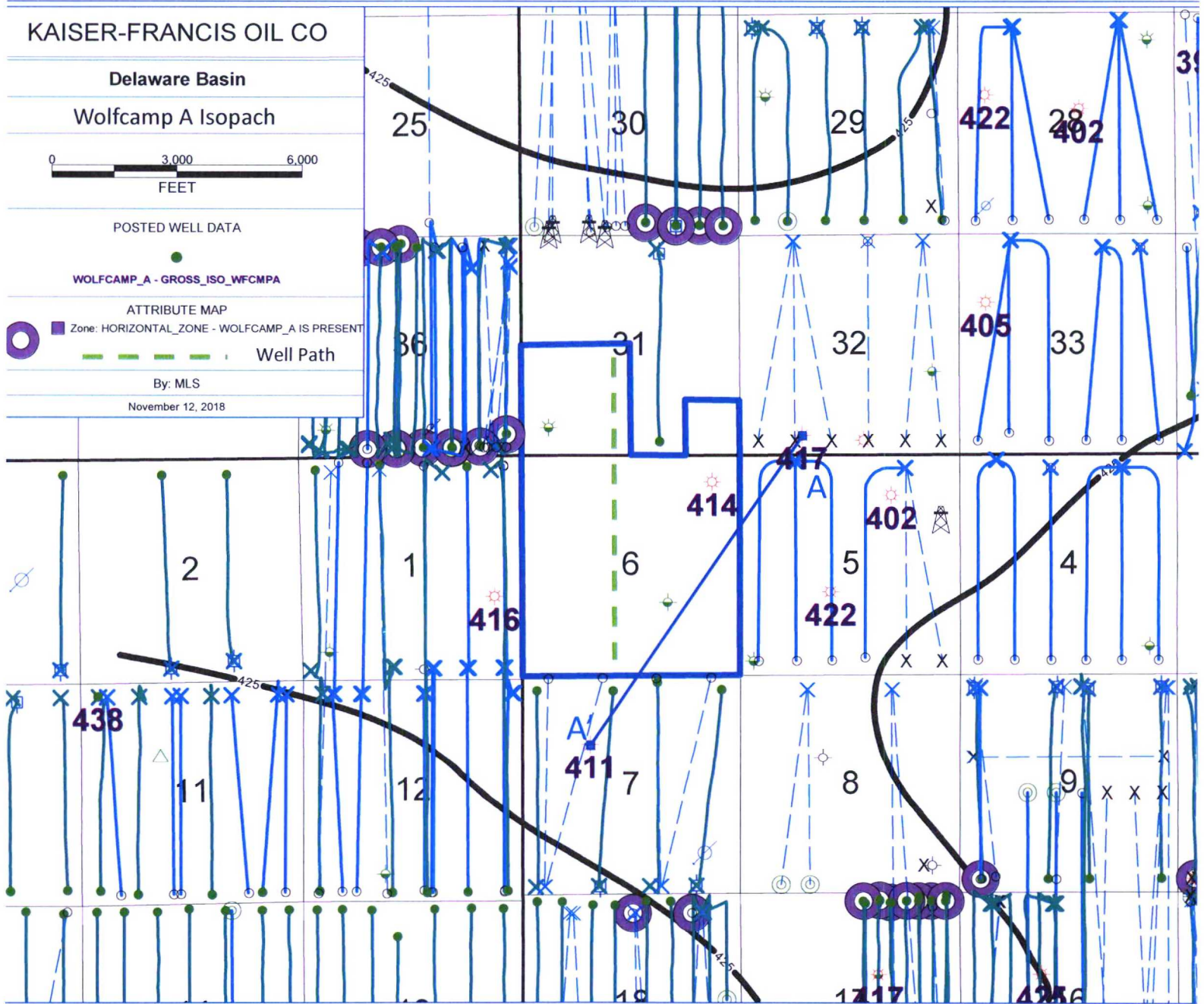
WOLF CAMP_A - GROSS_ISO_WFCMPA

ATTRIBUTE MAP

Zone: HORIZONTAL_ZONE - WOLF CAMP_A IS PRESENT

By: MLS

November 12, 2018



ATTACHMENT 3

CIMAREX
RED HILLS UT

30025346260000

BTA OIL PRODUCERS LLC
MESA B 8105 JV-P

30025306620000

A

A'

Rel
pth(ft)
-400 -
-350 -
-300 -
-250 -
-200 -
-150 -
-100 -
-50 -
0 -TOP_WOLFCAMP [MLS]
50 -
100 -
150 -
200 -
250 -
300 -
350 -
400 -
450 -
500 -
550 -
600 -
650 -

Rel
Depth
-400
-350
-300
-250
-200
-150
-100
-50
0
50
100
150
200
250
300
350
400
450
500
550
600
650

WOLFCAMP_B [MLS]

WOLFCAMP_B [MLS]

ATTACHMENT C

Stratigraphic Cross Section on the top of the Wolfcamp.