

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

**APPLICATION OF MATADOR PRODUCTION COMPANY  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20244**

**VERIFIED STATEMENT OF JAMES ANDREW JUETT**

COUNTY OF DALLAS                    )  
  ) ss.  
STATE OF TEXAS                    )

James Andrew Juett, 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 employed by MRC Energy Company, an affiliate of Matador Production Company ("Matador"), as a senior staff geologist, and I am familiar with the geological matters involved in this case. I have previously testified before the Division and been qualified by the Division as an expert petroleum geologist. I am familiar with the application filed by Matador in this case and I have conducted a geologic study of the Bone Spring formation underlying the subject acreage.

3. The following geological plats are attached hereto:

(a) Attachment A is a locator map for the well, which also shows horizontal Bone Spring wells in the area.

(b) Attachment B is a structure map of the Bone Spring formation, on top of the Second Bone Spring Sand. The spacing unit is showing in the green rectangle outlined in red. It shows that the structure dips gently to the south west. It also shows a line of cross-section from A to A' using three wells that penetrate the Bone Spring formation, which I consider to be representative of the geology of the area in the target formation.

(c) Attachment C is a north-south 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 Second Bone Spring Sand, and that zone is continuous across the well unit.

4. I conclude from these exhibits that:

(a) The horizontal spacing unit is justified from a geologic standpoint.

EXHIBIT 4

(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.

5. There are not many Bone Spring wells in this area. However, the preference is for standup units, and the few completed wells in the area (recent completions) are apparently commercial.

6. Attachment D is a wellbore schematic. The producing interval of the proposed well will be orthodox under current Division rules.

7. Matador's attached Exhibits Nos. A-D were either prepared by me or compiled under my direction and supervision.

8. In my opinion, the granting of Matador's application will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.

VERIFICATION

STATE OF TEXAS                    )  
  ) ss.  
COUNTY OF DALLAS            )

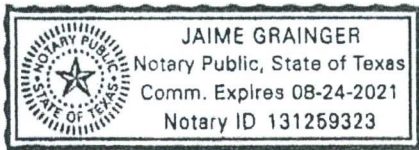
James Andrew Juett, being duly sworn upon his oath, deposes and states that: he is authorized to make this verification on behalf of Matador Production Company; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

  
James Andrew Juett

SUBSCRIBED AND SWORN TO before me this 6<sup>th</sup> day of February, 2019 by Andrew Juett.

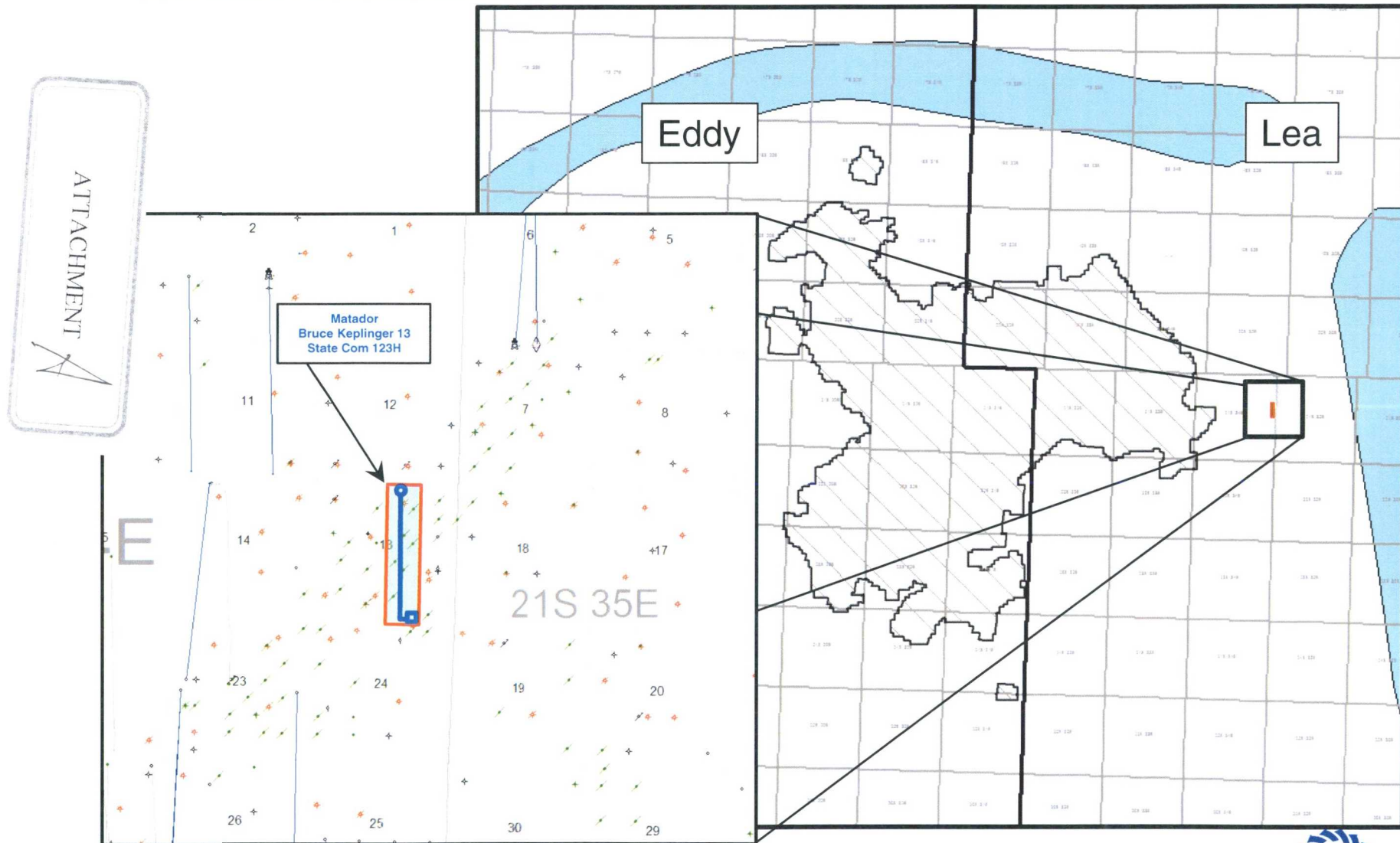
My Commission Expires: 8-24-2021

  
Notary Public



# Wilson; Bone Spring, North (Pool Code: 97704) Locator Map

Matador  
Exhibit \_\_\_\_



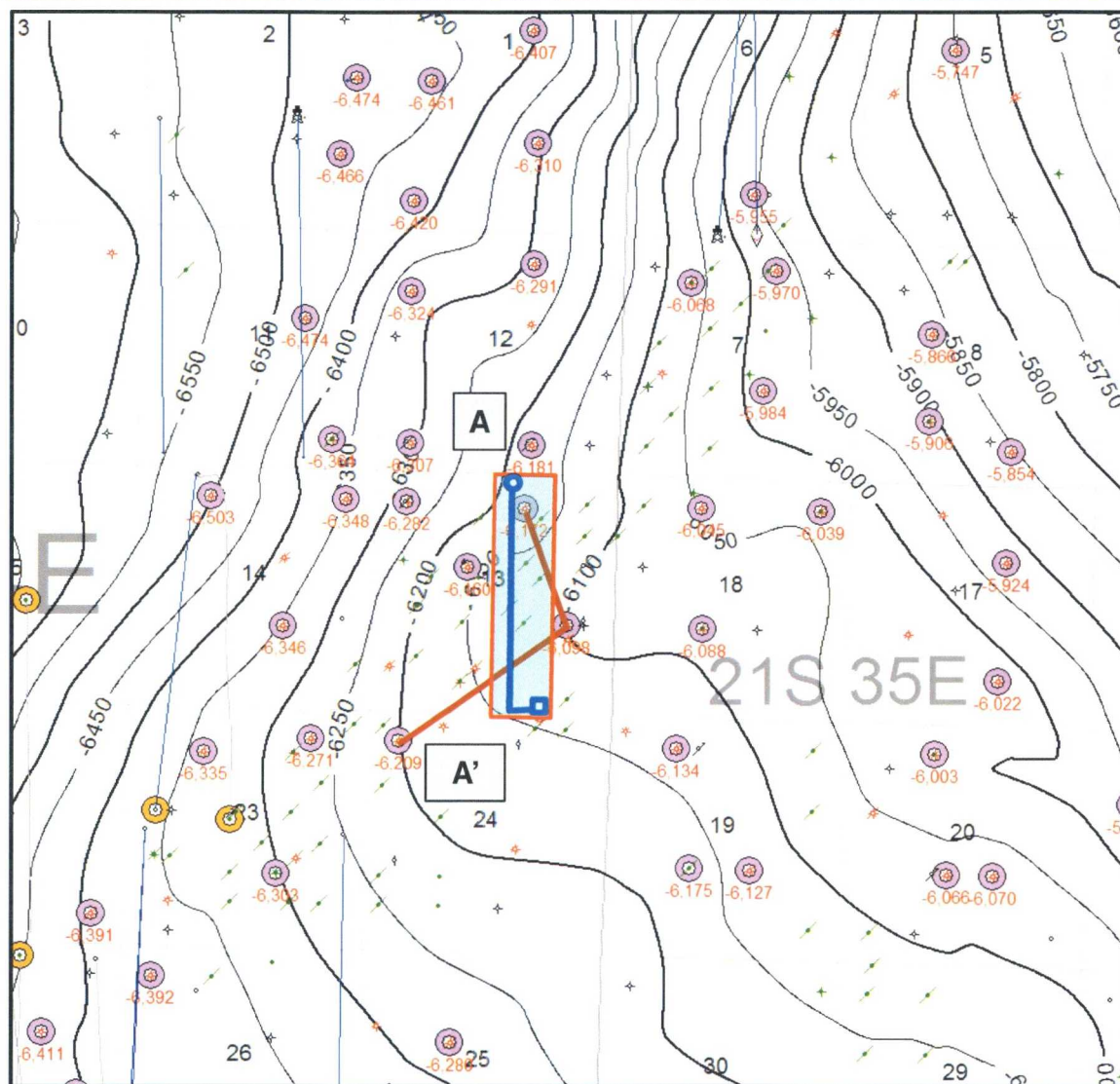
Bruce Keplinger 13 State Com 123H





# Wilson; Bone Spring, North (Pool Code: 97704) Structure Map (Top 2nd Bone Spring Subsea)

ATTACHMENT  
B



## Map Legend

Matador – Horizontal  
Location



Project Area



2nd Bone Spring  
HZ Producer



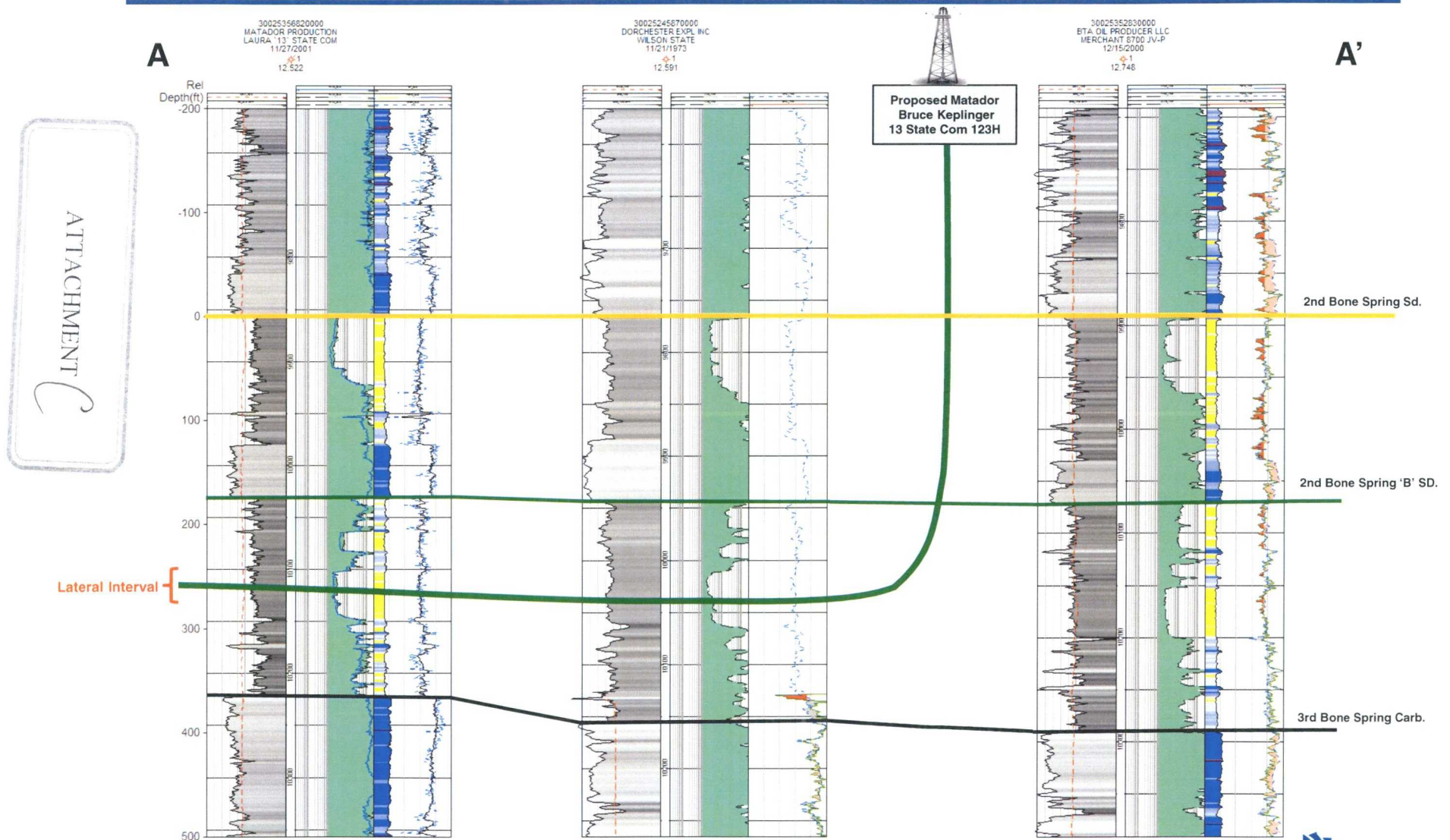
2nd Bone Spring Structure  
Data Point



C.I. = 50'

# Wilson; Bone Spring, North (Pool Code: 97704) Stratigraphic Cross Section A - A'

Matador  
Exhibit \_\_\_\_



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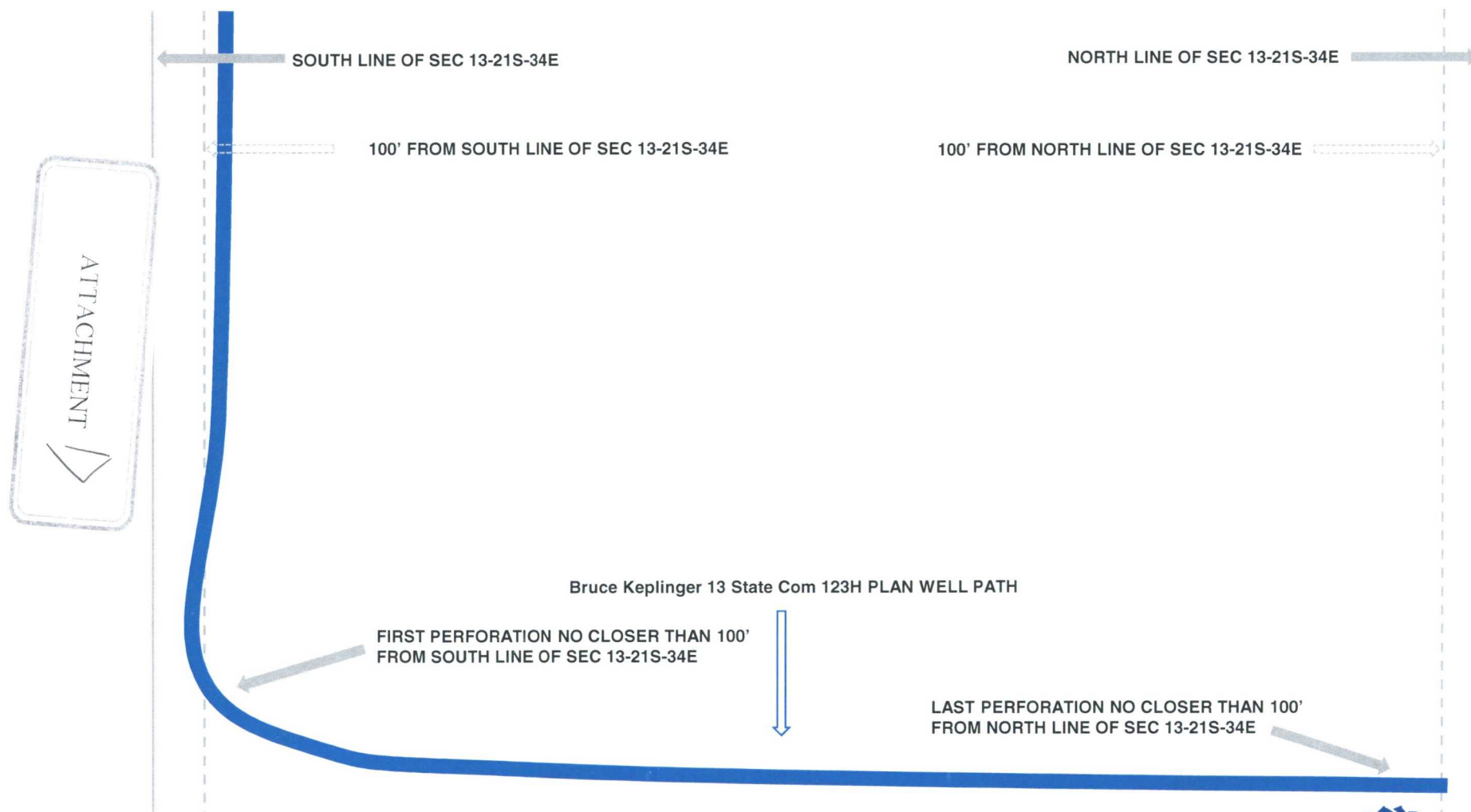


# Wilson; Bone Spring, North (Pool Code: 97704) Bruce Keplinger 13 State Com 123H Completion

## Bruce Keplinger 13 State Com 123H

SURFACE HOLE 188' FSL & 1,471' FEL OF SEC 13-21S-34E  
BOTTOM HOLE 100' FNL & 2,310' FEL OF SEC 13-21S-34E

DIAGRAM NOT DRAWN TO SCALE



Bruce Keplinger 13 State Com 123H

