

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,  
LEA COUNTY, NEW MEXICO.

Case No. 16491

VERIFIED STATEMENT OF JORDAN CARRELL

COUNTY OF MIDLAND                    )  
  ) ss.  
STATE OF TEXAS                        )

Jordan Carrell, 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 Bone Spring formation, on top of the First Bone Spring Sand. It shows that structure dips gently to the west. It also shows a line of cross-section.
  - (b) Attachment B is a gross sand isopach of the First Bone Spring Pink Sand, the test zone for the proposed La Trucha 6 B1CV State Com. Well No. 1H. It shows that the sand across the well unit has a uniform thickness of approximately 60 feet.
  - (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 First Bone Spring 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.

EXHIBIT

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(c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.

5. Attachment D contains information from other wells drilled in this area. There are very few 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 E is the Survey Calculation Report. The producing interval of the proposed well will be orthodox.

A handwritten signature in black ink, reading "Jordan Carrell", written in a cursive style.

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Jordan Carrell

## VERIFICATION

STATE OF TEXAS )  
 ) ss.  
COUNTY OF MIDLAND )

Jordan Carrell, 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.

Jander Cavell

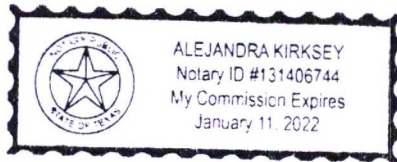
Jordan Carrell

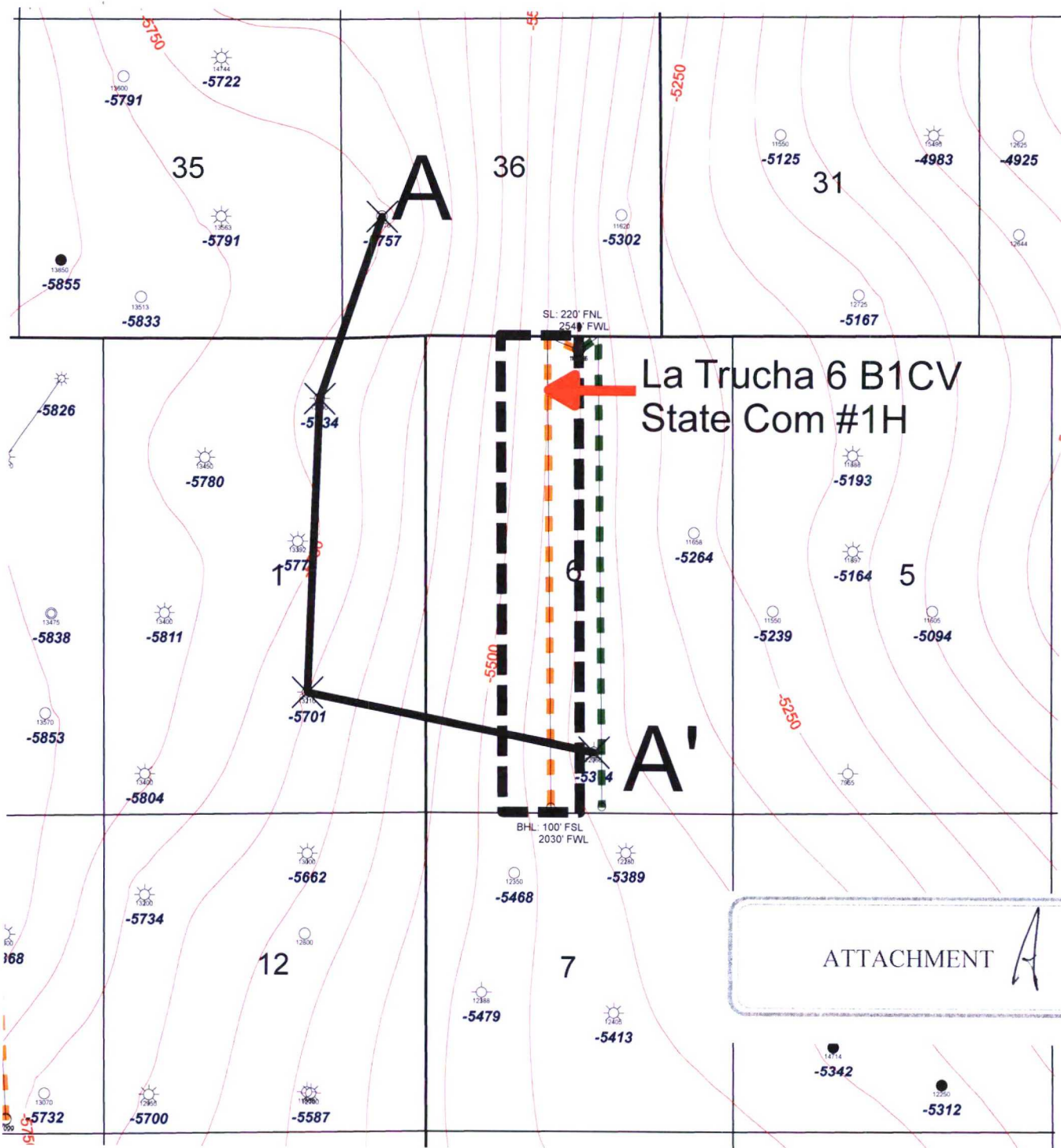
SUBSCRIBED AND SWORN TO before me this 25<sup>th</sup> day of October, 2018 by Jordan Carrell.

My Commission Expires:

January 11, 2022

Angela Kirksey  
Notary Public





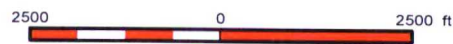
Wells deeper than 7000'



**1st BSPG  
Sand Top  
(subsea ft)**


BSPG Horizontal Color Code

- 1st BSPG Sand Well
- - - - - 1st BSPG Sand Permit
- 2nd BSPG Sand Well
- - - - - 2nd BSPG Sand Permit

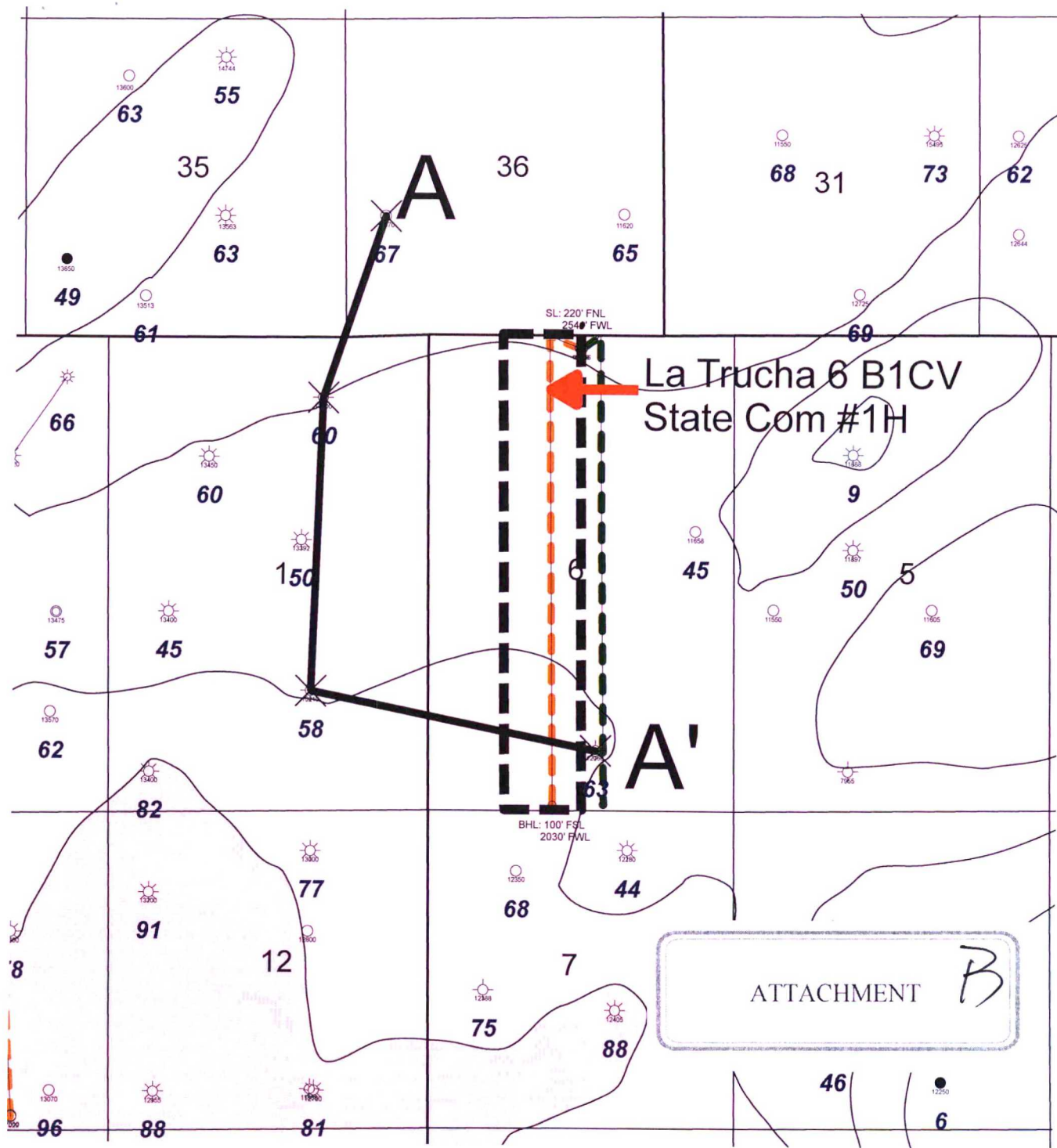


1 inch = 2500 feet



 <b>Mewbourne Oil Company</b>		
<b>La Trucha 6 B1CV State Com #1H</b> <b>1st BSPG Sand Structure Contour Exhibit Map</b> <b>C.I. = 50'</b>		
10/25/2018	Lea County	New Mexico
Scale: 1" = 2500'		






Wells deeper than 7000'



**1st BSPG Pink  
Gross Sand (ft)**

BSPG Horizontal Color Code

- 1st BSPG Sand Well
- - - - - 1st BSPG Sand Permit
- 2nd BSPG Sand Well
- - - - - 2nd BSPG Sand Permit

 <b>Mewbourne Oil Company</b>		
<b>La Trucha 6 B1CV State Com #1H</b> <b>1st BSPG "Pink" Gross Sand Isopach Exhibit Map</b> <b>C.I. = 20'</b>		
10/25/2018	Lea County	New Mexico
Scale: 1" = 2500'		