

**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. 16450

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 the base of the Second Bone Spring Sand. It shows that structure dips to the west, and that the planned wellbore would drill along strike. It also shows a line of cross-section, A-A'.
 - (b) Attachment B is a gross sand isopach of the Lower Second Bone Spring Sand, the test zone for the proposed Cast Away 6 B2BW State Com. Unit Well No. 1H. It shows that the target sand across the well unit has a uniform thickness of approximately 75 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 Lower Second 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.



(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.


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.

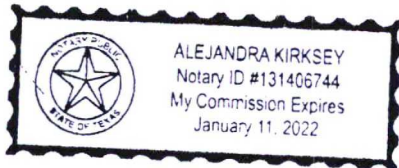


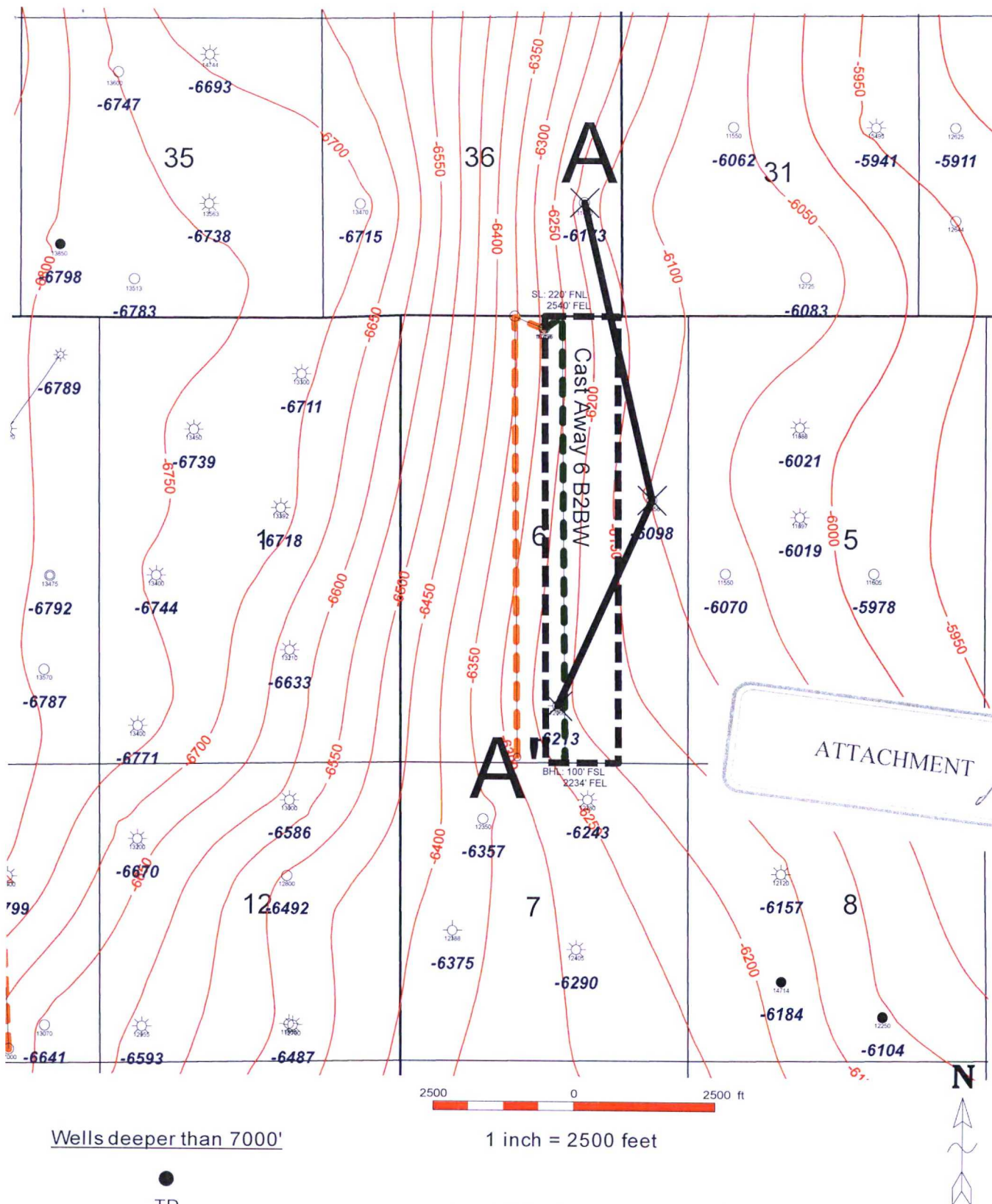
Jordan Carrell

SUBSCRIBED AND SWORN TO before me this 16th day of October, 2018 by Jordan Carrell.


My Commission Expires: Jan 11, 2022

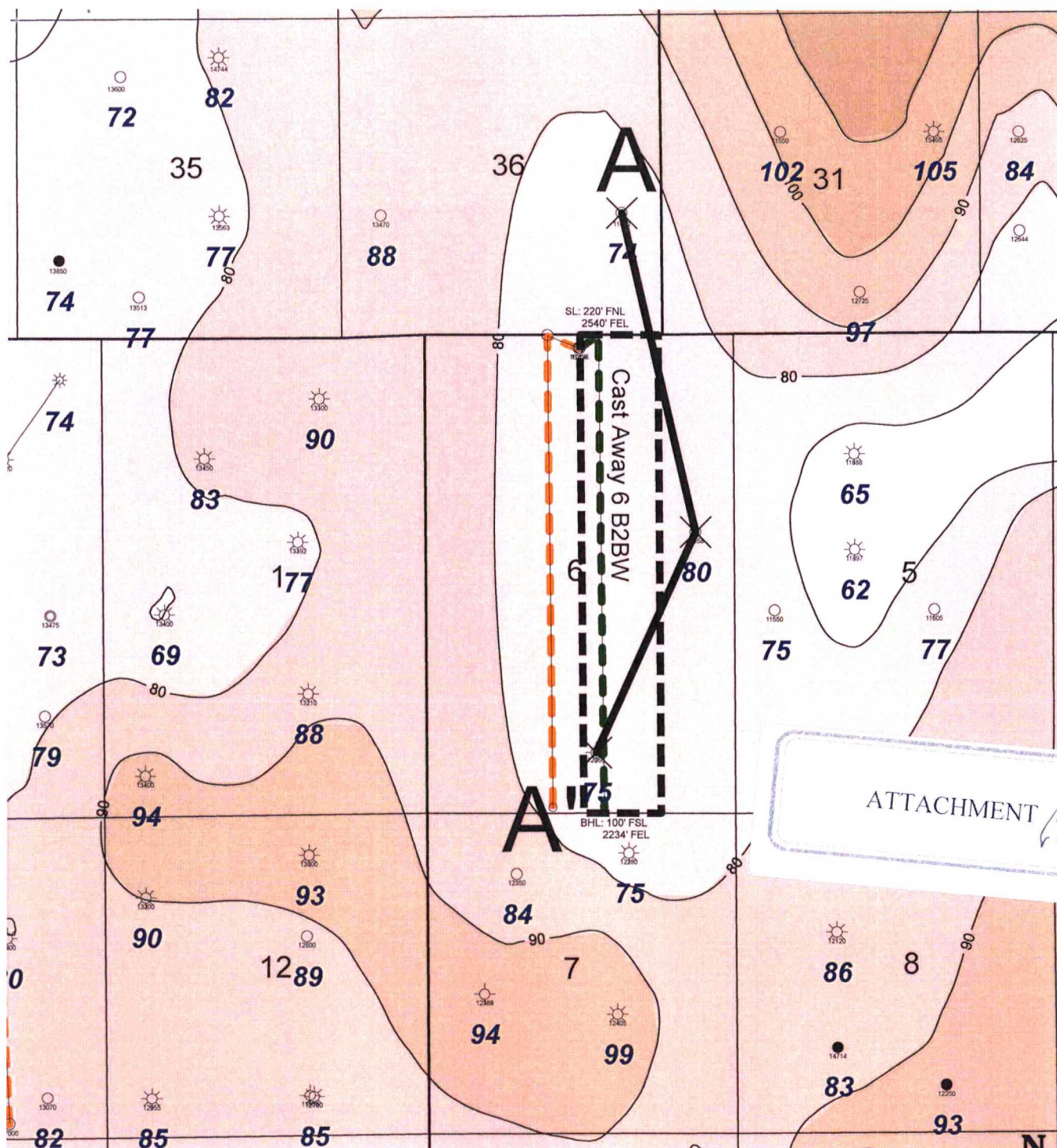

Notary Public





ATTACHMENT A

 Mewbourne Oil Company		
Cast Away 6 B2BW State Com Unit #1H 2nd BSPG Sand Base Structure Contour Map C.I. = 50'		
10/15/18	Lea County	New Mexico
Scale: 1" = 2500'		




Wells deeper than 7000'

1 inch = 2500 feet

TD
Lower 2nd
BSPG Gross
Sand (ft)

BSPG Horizontal Color Code

1st BSPG Sand Permit
2nd BSPG Sand Permit

 Mewbourne Oil Company		
Cast Away 6 B2BW State Com Unit #1H Lower 2 nd BSPG Gross Sand Isopach Exhibit Map C.I. = 10'		
10/15/18	Lea County	New Mexico
Scale: 1" = 2500'		