

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

**APPLICATION OF DEVON ENERGY PRODUCTION  
COMPANY LP FOR A STANDARD HORIZONTAL SPACING  
AND PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**Case No. 20085**

**AMENDED AFFIDAVIT OF SHELDON MOOS**

STATE OF OKLAHOMA    )  
  ) ss.  
COUNTY OF OKLAHOMA )

I, being duly sworn on oath, state the following:

1. I am over the age of 18, and I have personal knowledge of the matters stated herein.
2. I am employed as a completions engineer for Devon Energy Production Company, L.P. ("Devon"), and I am familiar with the subject application and the engineering involved.
3. This affidavit is submitted in connection with the filing by Devon of the above-referenced compulsory pooling application pursuant to 19.15.4.12.A(1) NMAC.
4. I seek to be qualified by the Oil Conservation Division ("Division") as an expert petroleum engineer. I have not previously made my credentials a matter of record and been qualified as an expert by the Division.
  - a. I hold a Bachelor of Science in Petroleum Engineering from Texas A&M University, awarded May of 2012.
  - b. I started employment at Devon in May 2012 as Operations Engineer. Since May 2018, I have been an Asset Completion Engineer for the Gaucho area, Lea County, NM. I have experience in well remediation, stimulation design and modeling, production evaluation, and formation communication and interaction.

5. The stimulation design for the Chiles 28-21 State Com 1H well ("Chiles well") is expected to be a slick water based fluid with a sand ramp of 100 mesh and 40/70 mesh. Devon will pump approximately +/-18,300,000 lbs. of proppant and +/-16,000,000 gal. of completion fluid per well. The design is intended to control height and maximize fracture half-length.

6. Devon's completions team expects the Chiles well to stay contained and produce primarily from the 3<sup>rd</sup> Bone Spring Sand due to the following reasons:

- a. The gross height between the 3<sup>rd</sup> Bone Spring Sand and the producing 2<sup>nd</sup> Bone Spring Sand is +/-700 ft. and the conductive frac height is not expected to exceed +/-200 ft.;
- b. Stimulation models suggest that the limestone formation separating the 2<sup>nd</sup> and 3<sup>rd</sup> Bone Spring Sands will act to barrier and isolate these formations, and;
- c. Devon is not aware of any lasting communication effects between these zones in the immediate area. See **Exhibit A** attached hereto.

7. In light of the foregoing, I conclude that the 2<sup>nd</sup> Bone Spring Sand and 3<sup>rd</sup> Bone Spring Sand will be isolated from each other in the proposed horizontal spacing unit and are not within hydraulic fracture communication.

8. The granting of this Application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.

9. The Exhibit to this Affidavit was prepared by me or compiled from Devon's company business records.

10. The foregoing is correct and complete to the best of my knowledge and belief.

FURTHER AFFIANT SAYETH NAUGHT



Sheldon Moos

Subscribed to and sworn before me this 20<sup>th</sup> day of November, 2018.



Rachel Gerlach  
Notary Public

GRAMA RIDGE FED 8817 JV-P 1  
30025306800000  
T225 R34E S9

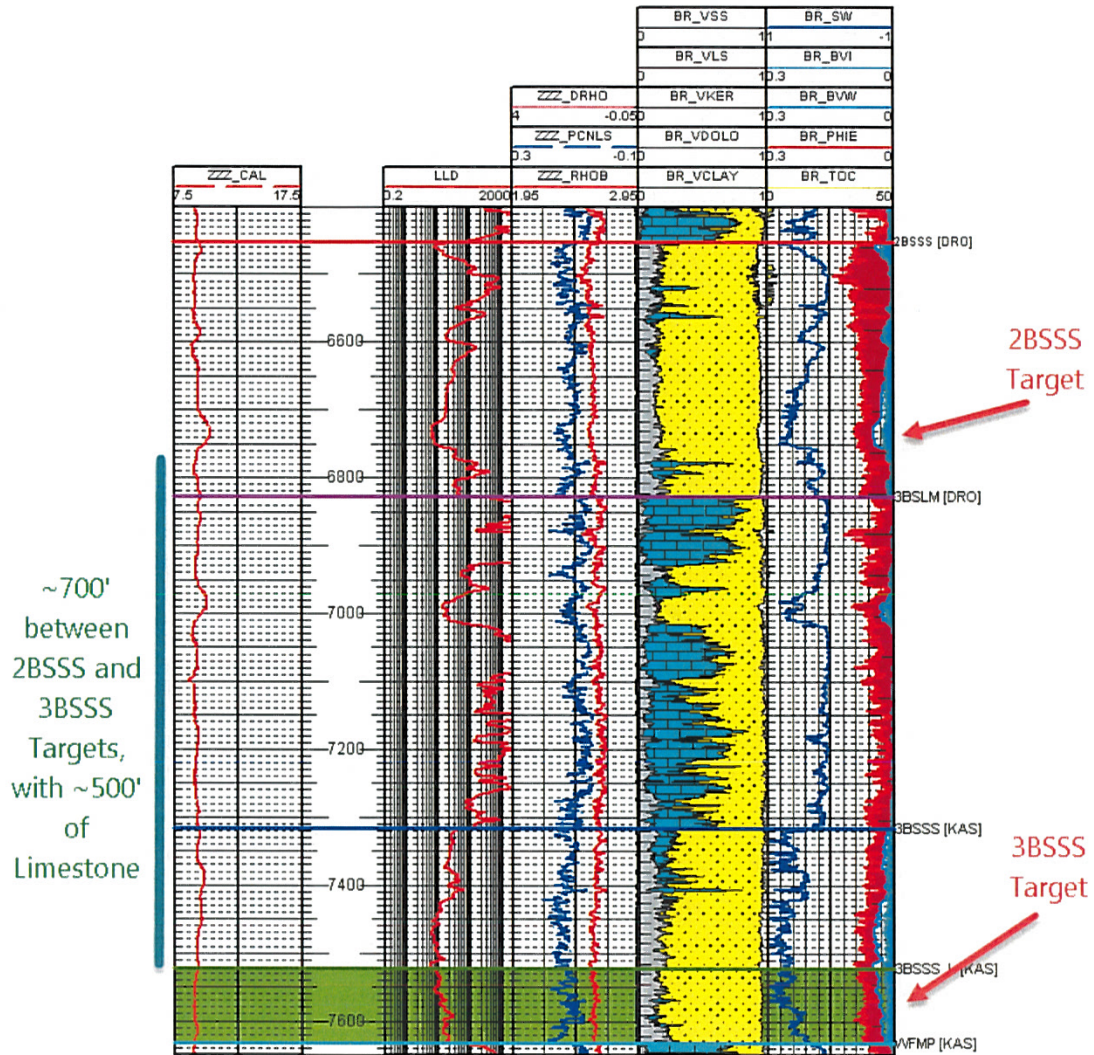


Exhibit A: A petrophysical log showing the thickness of the limestone barrier and the distance between the 2BS55 and 3BS55 targets.