

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

**APPLICATION OF BTA OIL PRODUCERS, LLC
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.**

Case No. 20914

**APPLICATION OF BTA OIL PRODUCERS, LLC
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.**

Case No. 20915

VERIFIED STATEMENT OF DARIN DOLEZAL

Darin Dolezal, 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 BTA Oil Producers, LLC ("BTA"), and have personal knowledge of the matters stated herein. My education and employment background is as follows: I received a master's degree in geology degree from West Virginia University in 2004. I have been a petroleum geologist for over 15 years, and have worked for PDC, Dominion E&P Inc., Samson LLC, Samson Resources Co., Samson Energy Co., and BTA I have been employed by BTA since early 2017. My area of responsibility includes Lea County, and I am familiar with the geological matters involved in these applications.
3. The geological plats attached hereto show the following:
 - (a) Attachment A is a structure map on top of the Second Bone Spring Sand. It shows offset well SSTVD values and structure contours mapped on a 25 foot contour interval. This interpretive hand-contoured structure map is also tied to 3D seismic over the well units. A line of cross-section is also shown on the map.
 - (b) Attachment B is a gross sand isopach of the Second Bone Spring Sand, which is the target zone in the South Ridge 8030 State Com. Well Nos. 1H and 2H. This zone has a uniform thickness across the two well units.
 - (c) Attachment C is a North-South cross-section using existing well control offsetting the proposed wells. The target sand is depicted in purple. The pay is continuous across the well units. The depth of the target zone is approximately 10,400 feet TVD.
4. I conclude from the maps that the project area is justified from a geologic standpoint.


EXHIBIT 2

8. BTA prefers to drill standup wells because all existing wells drilled in this area are drilled in a north-south direction, and they are commercial.

VERIFICATION

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

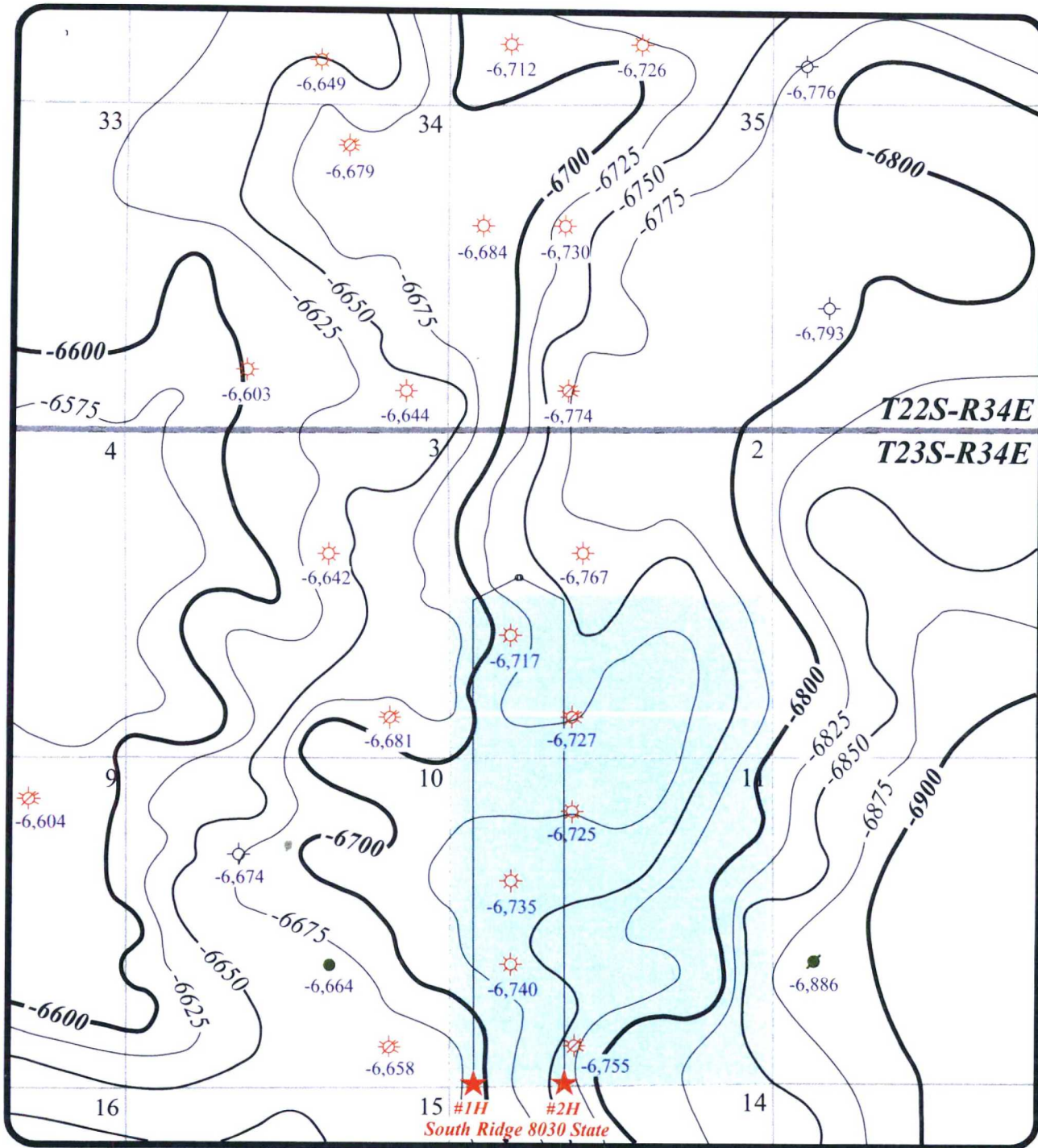
Darin Dolezal, being duly sworn upon his oath, deposes and states that: He is a geologist for BTA Oil Producers, LLC; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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


Darin Dolezal

SUBSCRIBED AND SWORN TO before me this 13 day of November, 2019 by
Darin Dolezal.

My Commission Expires: _____

Notary Public



36

LEGEND:

REMARKS

** 2nd Bone Spring Sand Labeled **



**BTA South Ridge
Lease**

WELL SYMBOLS

SL — BHL



BTA PROPOSED LOCATION



OIL WELL



GAS WELL



DRY WELL



P&A OIL WELL



P&A GAS WELL



BTA Oil Producers, LLC

SOUTH RIDGE STATE 8030 VENTURE

STRUCTURE MAP

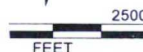
2nd BONE SPRING SAND

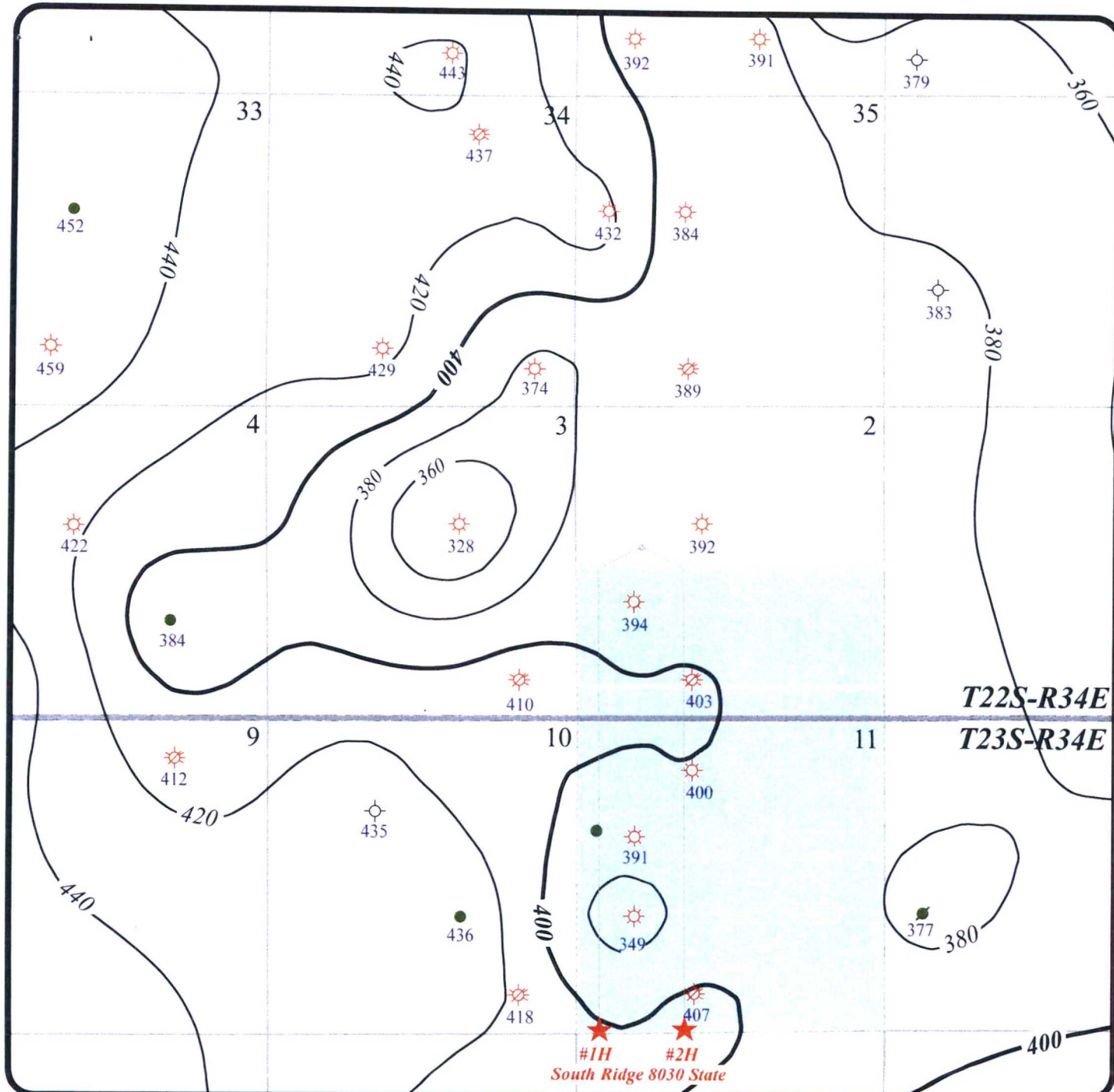
C.I. = 25'

S/2 Sec. 2, T22S-R34E & All Sec. 11, T23S-R34E

Lea County, New Mexico

ATTACHMENT *A*





LEGEND:

REMARKS

** 2nd Bone Sprng Sand Labeled **

**BTA South Ridge
Lease**

WELL SYMBOLS

SL — BHL

- BTA PROPOSED LOCATION
- OIL WELL
- GAS WELL
- DRY WELL
- P&A OIL WELL
- P&A GAS WELL



BTA Oil Producers, LLC

SOUTH RIDGE STATE 8030 VENTURE

GROSS ISOPACH MAP

2nd BONE SPRING SAND

C.I. = 20'

S/2 Sec. 2, T22S-R34E & All Sec. 11, T23S-R34E

Lea County, New Mexico

ATTACHMENT *B*





BTA Oil Producers, LLC

SOUTH RIDGE STATE 8030 VENTURE

STRUCTURAL CROSS-SECTION - 2nd BONE SPRING SAND TARGET

N

BTA Oil Producers, LLC
Antelope 8006 JV-P #1
API: 30025271660000

BTA Oil Producers, LLC
8016 JV-P Hudson State Com #2
API: 30025316130000

BTA Oil Producers, LLC
Brian 8036 JV-P #1
API: 30025305350000

BP America
State "ME" Com #1-Y
API: 30025276440000

S

2nd Bone Spring Sand

Target

3rd Bone Spring Carbonate

Subsea
Depth (ft)

-6600

-6700

-6800

-6900

-7000

-7100

-7200

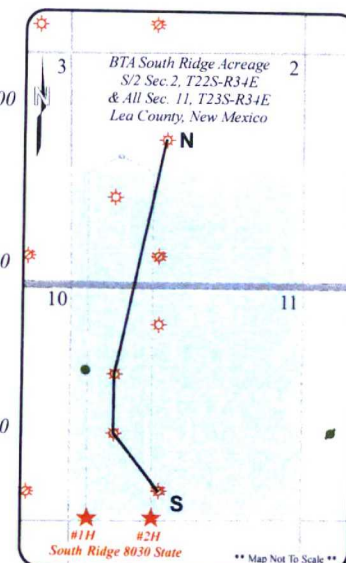
ATTACHMENT C

** Not To Scale **

By: DAD

November, 2019

Dwg: JHB

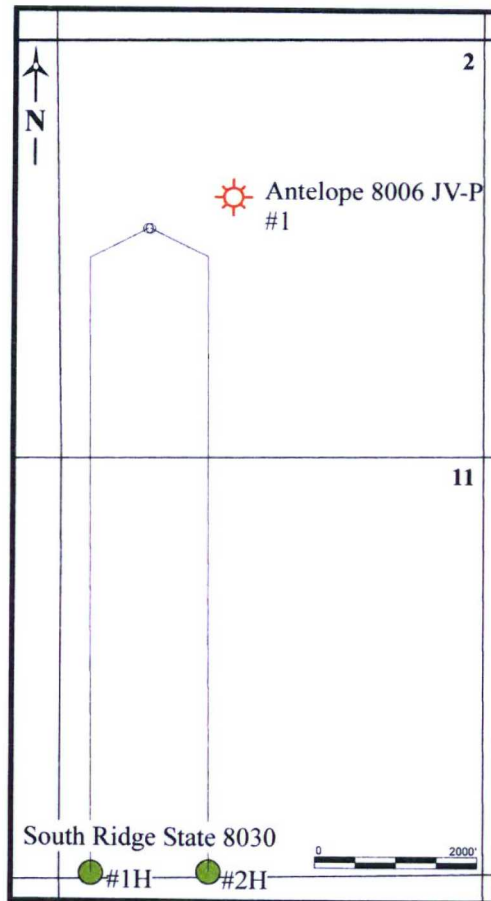
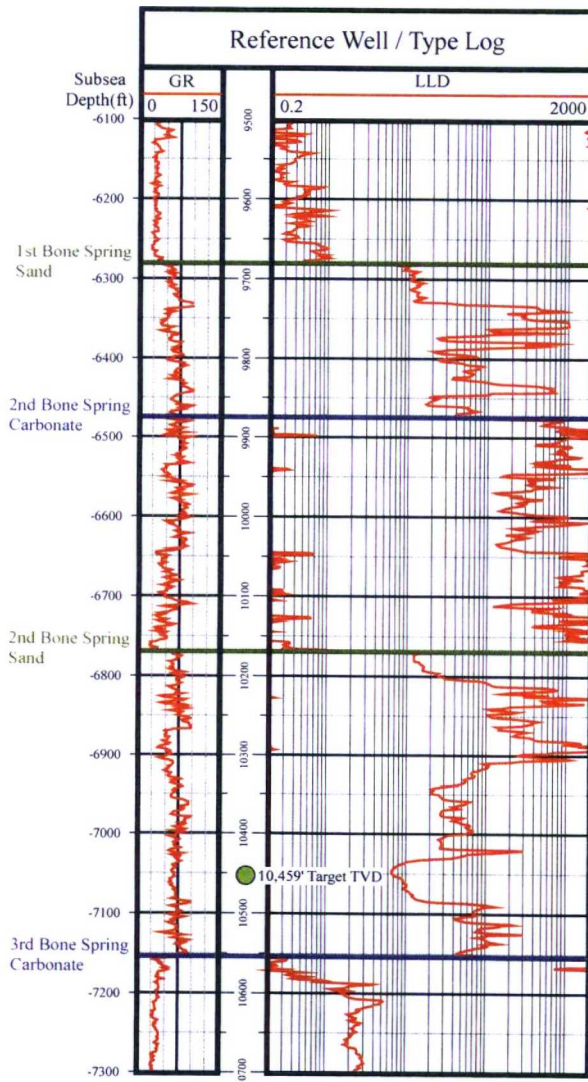


BTA Oil Producers, LLC

South Ridge State 8030 Venture

Development Spacing Pattern

S/2 Sec.2, T22S-R34E & All Sec. 11, T23S-R34E
Lea County, New Mexico



Reference Well / Type Log:

BTA Oil Producers

Antelope 8006 JV-P #1

API #: 30025271660000

1980'FNL & 2180'FWL

Sec 2, T23S - R34E, Lea County, New Mexico

1st Bone Spring Sand 9,683' TVD (-6,281' SS)	660'	1320'	1980'	2640'	1980'	1320'	660'
2nd Bone Spring Carbonate 9,874' TVD (-6,472' SS)							
2nd Bone Spring Sand 10,169' TVD (-6,767' SS)	#1				#2		
3rd Bone Spring Carbonate 10,557' TVD (-7,155' SS)							