

VIII. Geologic Data

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

Formation	MD
Rustler	
Castile	1,053
Lamar	2,187
Bell Canyon	2,247
Cherry Canyon	3,087
Brushy Canyon	8,971
Bone springs lime	8,971
Upper Avalon	8,971
Top bone spring 1	8,616
Wolfcamp A	8,971
Wolfcamp B	9,480
Wolfcamp C	9,791
Wolfcamp D	9,956
Wolfcamp E	10,289
Strawn	11,594
Atoka	11,774
Morrow	12,179
Barnett	12,680
Mississippian Lime	13,611
Woodford	13,796
Silurian - Wristen	13,968
Fusselman	14,431
Montoya	14,845

2. ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING FORMATIONS

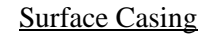
The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	MD
	Rustler	
w	Castile	1,053
w	Lamar	2,187
o/w	Bell Canyon	2,247
o/w	Cherry Canyon	3,087
o/w	Brushy Canyon	8,971
o/g/w	Bone springs lime	8,971
o/g/w	Upper Avalon	8,971
o/g/w	Top bone spring 1	8,616
o/g/w	Wolfcamp A	8,971
o/g/w	Wolfcamp B	9,480
o/g/w	Wolfcamp C	9,791
o/g/w	Wolfcamp D	9,956
o/g/w	Wolfcamp E	10,289
o/g/w	Strawn	11,594
o/w	Atoka	11,774
o/w	Morrow	12,179
w	Barnett	12,680
w	Mississippian Lime	13,611
w	Woodford	13,796
w	Silurian - Wristen	13,968
w	Fusselman	14,431
w	Montoya	14,845

water and minerals will be reported and protected.

WELL LOCATION:	<u>1,983' FSL & 1,000' FWL</u>	<u>L</u>	<u>12</u>	<u>26S</u>	<u>27E</u>
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELL CONSTRUCTION DATA



Top of Cement: 0' Method Determined: Circulation

Top of Cement: surface Method Determined: Calculation

Top of Cement: 9,590 Method Determined: Circulation

Production Tieback

Hole Size: N/A Casing Size: 9-5/8"
Cemented with: 2,596 sx. *or* _____ ft³
Top of Cement: 500 Method Determined: Calculation

Liner

Hole Size: _____ Casing Size: _____
Cemented with: _____ sx. *or* _____ ft³
Top of Cement: _____ Method Determined: _____
Total Depth: _____

Injection Interval

13,978' feet to 15,300'

___ Perforated or **X** Open Hole

INJECTION WELL DATA SHEET

Tubing Size: 7" Lining Material: TK15 XT IPC (NOV)

Type of Packer: Baker Premier Packer

Packer Setting Depth: 13,918'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled? Utilize as a salt water disposal well

2. Name of the Injection Formation: Silurian-Ordovician

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

None

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Carlsbad Current Argus.

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Affidavit of Publication

Ad # 0004002437

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CHEVRON
6301 DEAUVILLE BLVD. S3004

MIDLAND, TX 79706

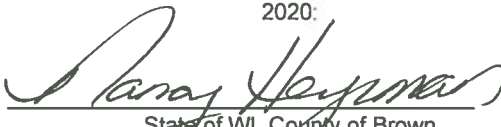
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

January 15, 2020



Legal Clerk

Subscribed and sworn before me this January 15,
2020:



State of WI, County of Brown
NOTARY PUBLIC
5.15.23

My commission expires

Notice is hereby given of the application of CHEVRON U.S.A. INC, 6301 Deauville Blvd, Midland, TX 79706, to the Oil Conservation Division of the state of New Mexico, and the Commissioner of Public Lands, State of New Mexico for administrative approval of a salt water disposal well. The proposed well, Veritas 12 State SWD 1 is located 1,983' FSL& 1,000' FWL, Unit Letter L, Section 12, T26S, R27E, Eddy County, New Mexico. The formations will be Silurian/Ordovician and the interval 13,978' - 15,300' open hole. The maximum anticipated injection rate will be 90,000 BWPD at a maximum injection pressure of 2795 psi. Interested parties should file objections or requests for hearing with the Oil Conservation Division, 1220 South St Francis Dr, Santa Fe, New Mexico 87505, within 15 days. Inquiries regarding this application should be directed to Chevron North America, Attn: Stephen Tainter, 1400 Smith St, Rm 40008, Houston, TX 77002.
#, Current Argus,
Jan. 15, 2020



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PO #: Veritas 12 State SWD 1
of Affidavits 1

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NANCY HEYRMAN
Notary Public
State of Wisconsin