

**RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION**

FILED FOR RECORDS  
10:26 O'CLOCK A.M.  
  
MAR 02 2023  
Form W-14  
SANDRA LIMAS  
CLERK CO. COURT, OCHILTREE CO. TEXAS  
Banda Wredney

**APPLICATION TO DISPOSE OF OIL AND GAS WASTE BY INJECTION  
INTO A FORMATION NOT PRODUCTIVE OF OIL AND GAS**

1. Operator Name Jade Mineral Holdings, L.L.C. 2. Operator P-5 No. 429577  
 3. Operator Address: c/o Powers Energy Consulting, 8700 Menchaca Rd. #506, Austin, TX 78748  
 4. County Ochiltree 5. RRC District No. 10  
 6. Field Name Twin (Des Moines) 7. Field Number 92038444  
 8. Lease Name Stump 9. Lease/Gas ID No. 05483  
 10. Well is 1.5 miles in a NE direction from Waka (center of nearest town). 11. No. acres in lease 362  
 12. Legal description of location including distance and direction from survey lines SEC 58, BLK 4, GH & H RRR CO. A-856, 333.6' FSL & 660' FEL  
 13. Latitude/Longitude, if known (Optional) Lat. 36.302846 (NAD 83) Long. -101.040014 (NAD 83)  
 14. New Permit: Yes  No  If no, amendment of Permit No. 03431 UIC# 000049446  
 15. Reason for amendment: Pressure  Volume  Interval  Commercial  Other (explain) Fluid Type - Frac FB  

16. Well No. <u>1</u>	17. API No. <u>42-357-00123</u>	18. Date Drilled <u>01/15/58</u>	19. Total Depth <u>8030/PB 3750</u>	20. Plug Date, if re-entry				
Casing	Size	Setting Depths	Hole Size	Casing Weight	Cement Class	Cement Sacks (#)	Top of cement	Top Determined by
21. Surface	<u>8 5/8</u>	<u>3115</u>	<u>11</u>	<u>32</u>	<u>Com/Poz</u>	<u>750</u>	<u>Surface</u>	<u>Circulation</u>
22. Intermediate	<u>5 1/2</u>	<u>3294-8030</u>	<u>7 7/8</u>	<u>15.5</u>	<u>Unknown</u>	<u>550</u>	<u>5306</u>	<u>Calculation</u>
23. Long String	<u>4 1/2</u>	<u>3319</u>	<u>7 7/8</u>	<u>10.5</u>	<u>C/H</u>	<u>550</u>	<u>Surface</u>	<u>Circulation</u>
24. Liner								
25. Other								

 26. Depth to base of Deepest Freshwater Zone 575/USDW 800 27. Multiple completion? Yes  No   
 28. Multistage cement? Yes  No  If yes, DV Tool Depth: 761 ft. No. Sacks: 500 Top of Cement: Surface  
 29. Bridge Plug Depth: \_\_\_\_\_ ft. 30. Injection Tubing Size: 2 7/8 in. and Depth 3015 ft. 31. Packer Depth: 3015 ft.  
 32. Cement Squeeze Operations (List all giving interval and number of sacks of cement and cement top and whether Proposed or Complete.):  
Squeezed 5 1/2 casing @ 3819-3820 w/ 25 sx cement  
 33. Injection Interval from 3115 to 3668 ft. 34. Name of Disposal Formation Brown Dolomite  
 35. Any Oil and Gas Productive Zone within two miles? Yes  No   
 If yes, Depth 5520 - 7600 ft. and Reservoir Name Tonkawa - 5520, Hogshooter - 6100, Marmaton - 6200, Des Moines - 6500, Atoka - 7310, Morrow - 7600  
 36. Maximum Daily Injection Volume 10000 bpd 37. Estimated Average Daily Injection Volume 5000 bpd  
 38. Maximum Surface Injection Pressure 1000 psig 39. Estimated Average Surface Injection Pressure 500 psig  
 40. Source of Fluids (Formation, depths and types): Various - Commercial  
 41. Are fluids from leases other than lease identified in Item 8? Yes  No  42. Commercial Disposal Well? Yes  No   
 43. If commercial disposal, will non-hazardous oil and gas waste other than produced water be disposed of? Yes  No   
 44. Type(s) of Injection Fluid: Salt Water  Brackish Water  Fresh Water  CO<sub>2</sub>  N<sub>2</sub>  Air  H<sub>2</sub>S   
 LPG  NORM  Natural Gas  Polymer  Other (explain) RCRA Exempt Waste & Fracture Water Flow Back  
 CERTIFICATE  
 I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.  
 Signature Will Powers February 27, 2023 Date  
 Name of Person (type or print) Will Powers will@powersrrc.com  
 Phone (512) 964-7555 Fax \_\_\_\_\_  
 FOR OFFICE USE ONLY REGISTER NO. AMOUNT \$

APPLICANT ALSO MUST COMPLY WITH THE INSTRUCTIONS ON THE REVERSE SIDE