

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

1186984

Form W-14
07/2016

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

1. Operator Name <u>WildHorse Resources Management Company, LLC</u>		2. Operator P-5 No. <u>923453</u>						
3. Operator Address: <u>9805 Katy Fwy Suite 400, Houston, Texas 77024</u>								
4. County <u>Burleson</u>		5. RRC District No. <u>03</u>						
6. Field Name <u>Wildcat</u>		7. Field Number <u>00006001</u>						
8. Lease Name <u>Sunny Unit</u>		9. Lease/Gas ID No. <u>254427</u>						
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED RRC OF TEXAS DEC 13 2011 O & G AUSTIN, TX </div>								
10. Well is <u>3.6</u> miles in a <u>NW</u> direction from <u>Caldwell</u> (center of nearest town).		11. No. acres in lease <u>80</u>						
12. Legal description of location including distance and direction from survey lines <u>2244.11' NW and 285.96' SW of Survey Line</u>								
13. Latitude/Longitude, if known (Optional) Lat. <u>30°32'58.18"N</u> Long. <u>-96°45'8.39"W</u>								
14. New Permit: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If no, amendment of Permit No. _____ UIC# _____								
15. Reason for amendment: Pressure <input type="checkbox"/> Volume <input type="checkbox"/> Interval <input type="checkbox"/> Commercial <input type="checkbox"/> Other (explain) _____								
16. Well No. <u>1</u>	17. API No. <u>051-33651</u>	18. Date Drilled <u>09/19/2008</u>	19. Total Depth <u>17,368</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	16	3694	20	84	A	5600	0	Circulation
22. Intermediate	11 7/8	10,507	14 3/4	71.8	H	2485	6000	Calculation
23. Long String	9 5/8	13,794	10 5/8	53.5	H	620	8675	Calculation
24. Liner	7 5/8	15,634	8 1/2	39	H	510		Shoe Sqz
25. Other	5	17,315	6 1/2	23.2	H	355	12586	Calculation
26. Depth to base of Deepest Freshwater Zone <u>3,150'</u>		27. Multiple completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
28. Multistage cement? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		If yes, DV Tool Depth: _____ ft. No. Sacks: _____ Top of Cement: _____						
29. Bridge Plug Depth: <u>7,830'</u> ft. Proposed		30. Injection Tubing Size: <u>4.5</u> in. and Depth <u>7,475'</u> ft. Proposed						
31. Packer Depth: <u>7,475'</u> ft.								
32. Cement Squeeze Operations (List all giving interval and number of sacks of cement and cement top and whether Proposed or Complete.): <u>Proposed CIPB set @ 16,200' w/ 40' cmt bailed on top & CIBP @ 7,830 w/ 30' of cmt bailed on top. (See attached proposed WBD)</u>								
33. Injection Interval from <u>7,500'</u> to <u>7,700'</u> ft.		34. Name of Disposal Formation <u>Edwards</u>						
35. Any Oil and Gas Productive Zone within two miles? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, Depth <u>6360</u> ft. and Reservoir Name <u>Austin Chalk - 6360' MD; Eagle Ford - 6846' MD; Buda - 7090' MD</u>								
36. Maximum Daily Injection Volume <u>30,000</u> bpd		37. Estimated Average Daily Injection Volume <u>15,000</u> bpd						
38. Maximum Surface Injection Pressure <u>3,750</u> psig		39. Estimated Average Surface Injection Pressure <u>2,250</u> psig						
40. Source of Fluids (Formation, depths and types): <u>Produced Water - Varying Depths (Austin Chalk, Eagleford, Buda)</u>								
41. Are fluids from leases other than lease identified in Item 8? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		42. Commercial Disposal Well? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
43. If commercial disposal, will non-hazardous oil and gas waste other than produced water be disposed of? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
44. Type(s) of Injection Fluid: Salt Water <input checked="" type="checkbox"/> Brackish Water <input type="checkbox"/> Fresh Water <input type="checkbox"/> CO ₂ <input type="checkbox"/> N ₂ <input type="checkbox"/> Air <input type="checkbox"/> H ₂ S <input type="checkbox"/> LPG <input type="checkbox"/> NORM <input type="checkbox"/> Natural Gas <input type="checkbox"/> Polymer <input type="checkbox"/> Other (explain) <u>Produced Water</u>								
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 <u>Tony Villasana</u> Name of Person (type or print) Phone <u>713-568-4910</u> Fax _____ Date <u>12/6/2017</u>						

FOR OFFICE USE ONLY REGISTER NO. 1196984 AMOUNT \$ 250.
 APPLICANT ALSO MUST COMPLY WITH THE INSTRUCTIONS ON THE REVERSE SIDE