



RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form H-1
05/2004

APPLICATION TO INJECT FLUID INTO A RESERVOIR PRODUCTIVE OF OIL OR GAS

1. Operator name I. C. S. Production Company 2. Operator P-5 No. 479574
(as shown on P-5, Organization Report)

3. Operator Address P.O. Box 6663 Abilene, TX 79608

4. County Fisher 5. RRC District No. 7B

6. Field Name Raven Creek (Canyon Sand) 7. Field No. 74863200

8. Lease Name Harvey -3- 9. Lease/Gas ID No. N/A

10. Check the Appropriate Boxes: New Project Amendment
If amendment, Fluid Injection Project No. F- _____
Reason for Amendment: Add wells Add or change types of fluids Change pressure
Change volume Change interval Other (explain) _____

RESERVOIR DATA FOR A NEW PROJECT

11. Name of Formation Canyon 12. Lithology Sand
(e.g., dolomite, limestone, sand, etc.)

13. Type of Trap Stratigraphic 14. Type of Drive during Primary Production Solution Gas
(anticline, fault trap, stratigraphic trap, etc.)

15. Average Pay Thickness 100' 16. Lse/Unit Acreage 320 17. Current Bottom Hole Pressure (psig) 800

18. Average Horizontal Permeability (mds) 1 mds 19. Average Porosity (%) 12%

INJECTION PROJECT DATA

20. No. of Injection Wells in this application 1
21. Type of Injection Project: Waterflood Pressure Maintenance Miscible Displacement Natural Gas Storage
Steam Thermal Recovery Disposal Other _____

22. If disposal, are fluids from leases other than the lease identified in Item 9? Yes No

23. Is this application for a Commercial Disposal Well? Yes No

24. If for commercial disposal, will non-hazardous oil and gas waste other than produced water be disposed? Yes No

25. Type(s) of Injection Fluid:
Salt Water Brackish Water Fresh Water CO₂ N₂ Air H₂S LPG NORM
Natural Gas Polymer Other (explain) _____

26. If water other than produced salt water will be injected, identify the source of each type of injection water by formation, or by aquifer and depths, or by name of surface water source:

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.

Bonnie Burkland 05/09/2024
Signature Date
Bonnie Burkland (bonnieburklund@gmail.com)
Name of Person (type or print)
Phone 512-799-4057 Fax _____

For Office Use Only Register No. Amount \$

RAILROAD COMMISSION OF TEXAS -- OIL AND GAS DIVISION

Form H-1A

INJECTION WELL DATA (attach to Form H-1)

1. Operator Name (as shown on P-5) L.C.S. Production Company					2. Operator P-5 No. 479574				
3. Field Name Raven Creek (Canyon Sand)					4. Field No. 74863200				
5. Current Lease Name Harvey -3-					6. Lease/Gas ID No. N/A				
7. Lease is 7 miles in a NE direction from Eskota, TX (center of nearest town).									
8. Well No. 30WI	9. API No. 151-33363	10. UIC No.	11. Total Depth 4,650'	12. Date Drilled TBD	13. Base of Usable Quality Water (ft) 100'/USDW 600'				
14. (a) Legal description of well location, including distance and direction from survey lines: 1,032' FSEL & 1,196' FNEL of Sec. 3, Blk 19, T & P RR Co., Abstract 392									
(b) Latitude and Longitude of well location, if known (optional) Lat. 32.6059122 Long. -100.1873884 (Nad 27)									
15. New Injection Well <input checked="" type="checkbox"/> or Injection Well Amendment <input type="checkbox"/>					Reason for Amendment: Pressure <input type="checkbox"/> Volume <input type="checkbox"/> Interval <input type="checkbox"/> Fluid Type <input type="checkbox"/>				
All Information Below is Proposed:					Other (explain) _____				
Casing	Size	Setting Depth	Hole Size	Casing Weight	Cement Class	# Sacks of Cement	Top of Cement	Top Determined by	
16. Surface	8-5/8"	140'	12-1/4"	24#	C	100	Surface	Circulation	
17. Intermediate									
18. Long string	5-1/2"	4,550'	7-7/8"	10.5#	C	1,000	Surface	Circulation	
19. Liner									
20. Tubing size 2-7/8"	21. Tubing depth 4,200'	22. Injection tubing packer depth 4,200'		23. Injection interval 4,200' to 4,550'					
24. Cement Squeeze Operations (List all)			Squeeze Interval (ft)		No. of Sacks		Top of Cement (ft)		
25. Multiple Completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			26. Downhole Water Separation? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		NOTE: If the answer is "Yes" to Item 25 or 26, provide a Wellbore Sketch				
27. Fluid Type Salt Water			28. Maximum daily injection volume for each fluid type (rate in bpd or mcf/d) 1,000 bpd		29. Estimated average daily injection volume for each fluid type (rate in bpd or mcf/d) 250 bpd				
30. Maximum Surface Injection Pressure: for Liquid 2,100 psig for Gas _____ psig.									
8. Well No.	9. API No.	10. UIC No.	11. Total Depth	12. Date Drilled	13. Base of Usable Quality Water (ft)				
14. (a) Legal description of well location, including distance and direction from survey lines:									
(b) Latitude and Longitude of well location, if known (optional) Lat. _____ Long. _____									
15. New Injection Well <input type="checkbox"/> or Injection Well Amendment <input type="checkbox"/>					Reason for Amendment: Pressure <input type="checkbox"/> Volume <input type="checkbox"/> Interval <input type="checkbox"/> Fluid Type <input type="checkbox"/>				
					Other (explain) _____				
Casing	Size	Setting Depth	Hole Size	Casing Weight	Cement Class	# Sacks of Cement	Top of Cement	Top Determined by	
16. Surface									
17. Intermediate									
18. Long string									
19. Liner									
20. Tubing size	21. Tubing depth	22. Injection tubing packer depth		23. Injection interval _____ to _____					
24. Cement Squeeze Operations (List all)			Squeeze Interval (ft)		No. of Sacks		Top of Cement (ft)		
25. Multiple Completion? Yes <input type="checkbox"/> No <input type="checkbox"/>			26. Downhole Water Separation? Yes <input type="checkbox"/> No <input type="checkbox"/>		NOTE: If the answer is "Yes" to Item 25 or 26, provide a Wellbore Sketch				
27. Fluid Type			28. Maximum daily injection volume for each fluid type (rate in bpd or mcf/d)		29. Estimated average daily injection volume for each fluid type (rate in bpd or mcf/d)				
30. Maximum Surface Injection Pressure: for Liquid _____ psig for Gas _____ psig.									