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

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

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

6. Field Name Keeler-Wimberly (Canyon Sd.) 7. Field No. 48422500

8. Lease Name Welch 9. Lease/Gas ID No. 32599

10. Check the Appropriate Boxes: New Project ☐ Amendment ☒

If amendment, Fluid Injection Project No. F-22601 (Original Authority 05/05/2023)

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

15. Average Pay Thickness 32' 16. Lse/Unit Acreage 493.33 17. Current Bottom Hole Pressure (psig) 320

18. Average Horizontal Permeability (mds) 30-50 mds 19. Average Porosity (%) 14-17%

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 ☐ CO_2 ☐ N_2 ☐ Air ☐ H_2S ☐ 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 Burklund 11/15/2024
Signature Date

Bonnie Burklund (bonnieburklund@gmail.com)
Name of Person (type or print)

Phone 512-799-4057 Fax _____

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For Office Use Only	Register No.	Amount $

See Reverse Side for Required Attachments

05/2004

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: Keeler-Wimberly (Canyon Sd.) — 4. Field No.: 48422500

5. Current Lease Name: Welch — 6. Lease/Gas ID No.: 32599

7. Lease is 7 miles in a Northeast direction from Eskota, TX (center of nearest town).

8. Well No.	9. API No.	10. UIC No.	11. Total Depth	12. Date Drilled	13. Base of Usable Quality Water (ft)
19 WI	151-33352		4,550'	05/10/2024	100'/USDW 600'

14. (a) Legal description of well location, including distance and direction from survey lines: 1306' FSEL & 330' FNEL of Sec. 6, Blk 19, T&P RR Co., Abstract 1778

(b) Latitude and Longitude of well location, if known (optional) Lat. 32.595583 Long. -100.172802

15. New Injection Well ☒ or Injection Well Amendment ☐ — Reason for Amendment: Pressure ☐ Volume ☐ Interval ☐ Fluid Type ☐

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"	128'	12-1/4"	24#	C	120	Surface	Circulated
17. Intermediate								
18. Long string	5-1/2"	4,550'	7-7/8"	17#	C, Poz	400	1,923	Calculated
19. LinerDV Tool	5-1/2"	1,923'	7-7/8"	17#	C, Poz	250	Surface	Circulated

20. Tubing size	21. Tubing depth	22. Injection tubing packer depth	23. Injection interval
2-7/8"	4,323'	4,323'	4,330' to 4,450'

24. Cement Squeeze Operations (List all)	Squeeze Interval (ft)	No. of Sacks	Top of Cement (ft)

25. Multiple Completion? Yes ☐ No ☒

26. Downhole Water Separation? Yes ☐ No ☒

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)
Salt Water	2,000 bpd	2,000 bpd

30. Maximum Surface Injection Pressure: for Liquid 2,165 psig for Gas _____ psig.

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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 ☐ or Injection Well Amendment ☐ — Reason for Amendment: Pressure ☐ Volume ☐ Interval ☐ Fluid Type ☐

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 ☐ No ☐

26. Downhole Water Separation? Yes ☐ No ☐

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.

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