

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

FEB 09 2016

O&G
AUSTIN TX

Form H-1
05/2004

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

1. Operator name Greystone Petroleum, LLC 2. Operator P-5 No. 333762
(as shown on P-5, Organization Report)

3. Operator Address 1616 S. Voss Rd., Ste. 400, Houston, Texas 77057

4. County Andrews 5. RRC District No. 08

6. Field Name Triple-N (San Andres) 7. Field No. 91350-700

8. Lease Name University AZ 9. Lease/Gas ID No. 40813

10. Check the Appropriate Boxes: New Project Amendment

If amendment, Fluid Injection Project No. F- 18512

Reason for Amendment: Add wells Add or change types of fluids Change pressure

Change volume Change interval Other (explain) Operator Change & Special Conditions

RESERVOIR DATA FOR A NEW PROJECT

11. Name of Formation San Andres 12. Lithology Dolomite
(e.g., dolomite, limestone, sand, etc.)

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

15. Average Pay Thickness > 140' 16. Lse/Unit Acreage 330.3 17. Current Bottom Hole Pressure (psig) ± 2570

18. Average Horizontal Permeability (mds) ± 15 md 19. Average Porosity (%) ± 15%

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:
Devonian wells in the area

<p>CERTIFICATE</p> <p>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.</p>	<p>Signature <u></u> Date <u>2/9/16</u></p>
	<p>Name of Person (type or print) <u>Rick Johnston</u> <u>Consulting Engineer</u></p>
	<p>Phone <u>(512) 380-0800</u> Email <u>rick.johnston@swbell.net</u></p>

For Office Use Only	Register No.	Amount \$
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RAILROAD COMMISSION OF TEXAS -- OIL AND GAS DIVISION

05/2004

Form H-1A

INJECTION WELL DATA (attach to Form H-1)

1. Operator Name (as shown on P-5) Greystone Petroleum, LLC					2. Operator P-5 No. 333762			
3. Field Name Triple-N (San Andres)					4. Field No. 91350-700			
5. Current Lease Name University AZ					6. Lease/Gas ID No. 40813			
7. Lease is <u>13.1</u> miles in a <u>SW</u> direction from <u>Andrews</u> (center of nearest town).								
8. Well No. 2G	9. API No. 42-003-00892	10. UIC No. 103283	11. Total Depth 4722'	12. Date Drilled June 1955	13. Base of Usable Quality Water (ft) 1550'			
14. (a) Legal description of well location, including distance and direction from survey lines: 330' FSL & 2225' FWL of Sec. 25, Blk. 10, UL Survey, A-330								
(b) Latitude and Longitude of well location, if known (optional) Lat. <u>32.143957</u> Long. <u>-102.635892</u> (NAD 27)								
15. New Injection Well <input type="checkbox"/> or Injection Well Amendment <input checked="" type="checkbox"/>				Reason for Amendment: Pressure <input type="checkbox"/> Volume <input checked="" 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	13-3/8"	352'	17-1/2"	48 #	STD	400	Surface	W-2
17. Intermediate	8-5/8"	4968'	11"	24 #	STD	3300	2956'	W-2
18. Long string	5-1/2"	8308-12235'	7-7/8"	23 #	STD	600	Unknown	W-2
19. Liner								
20. Tubing size 2-7/8"	21. Tubing depth 4466'		22. Injection tubing packer depth 4466'		23. Injection Interval 4500' to 4640'			
24. Cement Squeeze Operations (List all)			Squeeze Interval (ft)		No. of Sacks		Top of Cement (ft)	
CIBP @ 4680'			Note: 5-1/2" cut & pulled @ 8308'					
Cmt Plugs: 8600' 100 sxs, 7800' 75 sxs,			6900' 75 sxs, 4993-5050' 100 sxs					
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 Saltwater			28. Maximum daily injection volume for each fluid type (rate in bpd or mcf/d) 25,000 BWPD		29. Estimated average daily injection volume for each fluid type (rate in bpd or mcf/d) 12,000 BWPD			
30. Maximum Surface Injection Pressure: for Liquid <u>2250</u> 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.								

Johnston & Cloud

Consulting Engineers
(Engineering Firm Registration No. F-2345)
940 East 51st Street, Suite 103
Austin, Texas 78751

(512) 380-0800

February 9, 2016

Mr. David Hill
Railroad Commission of Texas
1701 North Congress Avenue
Austin, Texas 78701

Re: University AZ # 2G (API # 42-003-00892)
UIC # 103283, Injection Permit # F-18512
Greystone Petroleum, LLC (P-5 # 333762) – Operator
Andrews County, Texas

Dear Mr. Hill,

Greystone Petroleum LLC respectfully requests the referenced injection permit be re-issued, transferring the permit from Greystone Oil & Gas LLP to Greystone Petroleum LLC.

Greystone additionally requests that Special Conditions Nos. 2 and 4 be reworded as below. These Special Conditions were recently issued as a result of Tracking # 43368.

2. The tubing-casing annulus pressure must be monitored at least weekly with monthly pressures reported annually on Form H-10 to the Commission's Austin Office.
4. The 9.08 km radius review of the USGS database for this well shows seismic activity in prescribed search area. The operator shall collect and record accurate daily injection volumes and daily injection pressures, and shall make this data available to the Commission upon request.

Please let me know if you need any additional information.

Thank you,



Rick Johnston
For Greystone Petroleum

cc: Mr. Carl Drews