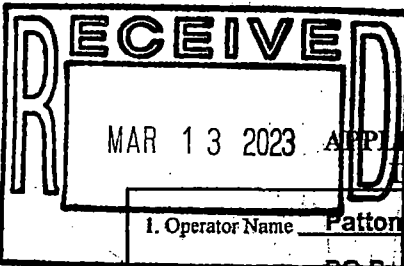


**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

**NOTICE OF
APPLICATION**

Form W-14
05/2004
MIL0205



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

1. Operator Name Patton Exploration, Inc. 2. Operator P-5 No. 643730
 3. Operator Address PO Box 3399, Abilene, TX 79604
 4. County Fisher 5. RRC District No. 7B
 6. Field Name Longworth (Flippen) 7. Field Number 54821500
 8. Lease Name Terry SWD 9. Lease/Gas ID No. _____
 10. Well is ±4.4 miles in a SW direction from Roby (center of nearest town). 11. No. acres in lease 318
 12. Legal description of location including distance and direction from survey lines 237' FSL & 11,112' FEL, El Paso CSL Survey, A-25
 13. Latitude/Longitude, if known (Optional) Lat. 32.681628° Long. -100.381645° (NAD 83)
 14. New Permit: Yes No If no, amendment of Permit No. _____ UIC# _____
 15. Reason for amendment: Pressure Volume Interval Commercial Other (explain) _____

16. Well No. <u>1</u>	17. API No. <u>42-151-33310</u>	18. Date Drilled <u>To Be Drilled</u>			19. Total Depth <u>4,500'</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>10 3/4"</u>	<u>210'</u>	<u>13 1/2"</u>	<u>40.5#</u>		<u>±100</u>	<u>Surface</u>	<u>Circulation</u>
22. Intermediate								
23. Long String	<u>7 5/8"</u>	<u>4,500'</u>	<u>8 3/4"</u>	<u>26#</u>		<u>±700</u>	<u>Surface</u>	<u>Circulation</u>
24. Liner								
25. Other								

 26. Depth to base of Deepest Freshwater Zone 200' 27. Multiple completion? Yes No
 28. Multistage cement? Yes No If yes, DV Tool Depth: _____ ft. No. Sacks: _____ Top of Cement: _____
 29. Bridge Plug Depth: _____ ft. 30. Injection Tubing Size: 3 1/2" in. and Depth 3,590 ft. 31. Packer Depth: 3,590 ft.
 32. Cement Squeeze Operations (List all giving interval and number of sacks of cement and cement top and whether Proposed or Complete.): _____
 33. Injection Interval from 3,690 to 4,400 ft. 34. Name of Disposal Formation Crystall Falls, Breckenridge & Swastika
 35. Any Oil and Gas Productive Zone within two miles? Yes No
 If yes, Depth ±3,600 ft. and Reservoir Name Flippen @ ±3,600' & Canyon @ ±5,000'
 36. Maximum Daily Injection Volume 20,000 bpd 37. Estimated Average Daily Injection Volume 10,000 bpd
 38. Maximum Surface Injection Pressure 1,845 psig 39. Estimated Average Surface Injection Pressure 500 psig
 40. Source of Fluids (Formation, depths and types): Produced Saltwater @ ±5,900', Strawn Formation
 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 CO₂ N₂ Air H₂S
 LPG NORM Natural Gas Polymer Other (explain) RCRA Exempt Waste (See Attached)

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>Robert Patton</u> Date <u>3-03-2023</u> Name of Person (type or print) <u>Robert Patton</u> weldon@milconinc.com Phone <u>(325) 677-3318</u> Fax _____
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LIST OF E&P WASTES: EXEMPT AND NON EXEMPT

The lists below are not complete lists of exempt wastes and non exempt wastes. Additional wastes may be discovered during your day-to-day E&P operations. It is important to remember that a material that is unique to E&P operations must be used in primary field operations to gain exemption as a waste. Chapter 3 of this manual and the references cited in Chapter 3 can provide guidance in determining the waste's regulatory status. Please note, however, the Commission or the EPA should be contacted for guidance in the event the regulatory status of a waste is in doubt.

EXEMPT WASTES

Activated charcoal filter media	Gas plant sweetening wastes for sulfur removal:
Basic sediment and water (BS&W) - see Tank bottoms	a. Amines (including amine reclaimer bottoms)
Caustics, if used as drilling fluid additives or for gas treatment	b. Amine filters (see process filters), amine filter media and backwash
Condensate	c. Amine sludge, precipitated
Cooling tower blowdown	d. Iron sponge (and iron sulfide scale)
Debris, crude oil soaked	e. Hydrogen sulfide scrubber liquid and sludge
Debris, crude oil stained	Gases removed from the production stream (i.e., H ₂ S, CO ₂ , and VOCs)
Deposits removed from piping and equipment prior to transportation (i.e., pipe scale, hydrocarbon solids, hydrates, and other deposits)	Liquid hydrocarbons removed from the production stream but not from oil refining
Drilling cuttings/solids	Liquid and solid wastes generated by crude oil and tank bottom reclaimers
Drilling fluids	Oil, weathered
Drilling fluids and cuttings from offshore operations disposed of onshore	Paraffin
Gas dehydration wastes:	Pigging wastes from producer operated gathering lines
a. Glycol-based compounds	Pit sludges and contaminated bottoms from storage or disposal of exempt wastes
b. Glycol filters (see process filters), filter media, and backwash	Process filters
c. Molecular sieves	

EXEMPT WASTES (Continued)

Produced sand	Tank bottoms and basic sediment and water (BS&W) from: storage facilities that hold product and exempt waste (including accumulated materials such as hydrocarbons, solids, sand, and emulsion from production separators, fluid treating vessels, and production impoundments).
Produced water	
Produced water constituents removed before disposal (injection or other disposal)	VOCs from exempt wastes in reserve pits or impoundments or production equipment
Produced water filters (see Process filters)	
Rigwash	Well completion, treatment, and stimulation, and packing fluids
Slop oil (waste crude oil from primary field operations and production)	
Soils, crude oil-contaminated	Workover wastes (i.e., blowdown, swabbing and bailing wastes)
Sulfacheck/Chemsweet waste	

QUESTIONABLE STATUS WASTES

These wastes were not specifically listed by EPA as exempt; however, they do appear to be exempt based on the Regulatory Determination⁶ and Clarification⁷ provided by EPA.

Cement slurry returns from the well and cement cuttings (unused cement slurries would be nonexempt)

Gas plant sweetening unit catalyst

Natural gas gathering line hydrotest water

Produced-water-contaminated soil

Sulfur recovery unit wastes

SPECIAL CATEGORY WASTES

Special category wastes are subject to waste specific regulations.

Naturally occurring radioactive materials (NORM):

The possession, use, transfer, transport, and/or storage of NORM or the recycling of certain NORM-contaminated materials is regulated by the Texas Department of Health (TDH). Disposal of oil and gas NORM waste and operations incidental to disposal are regulated by the Railroad Commission. Disposal of all other NORM is regulated by the TNRCC.

Polychlorinated biphenols (PCBs) and PCB-contaminated soils:

Regulated under the federal Toxic Substances Control Act (TSCA). At the state level, oil and gas wastes contaminated by PCBs are regulated by the Railroad Commission.

Asbestos:

Regulated under the National Emissions Standards for Hazardous Air Pollutants (NESHAP). At the state level, asbestos waste from oil and gas operations is regulated by the Railroad Commission of Texas (regarding oil and gas waste), the Texas Department of Health (regarding NESHAPS), and the Texas Natural Resource Conservation Commission (regarding disposal in landfills).

LIST OF EXPLORATION AND PRODUCTION WASTE

Produced Water	Drilling Fluids	Drill Cuttings
Rigwash	Workover Wastes	Cooling tower blowdown
Packer Fluids	Produced Sands	Hydrocarbon-bearing soil

Pigging wastes from gathering lines

Drilling fluids and cuttings from offshore operations disposed of onshore

Well completion, treatment, and stimulation fluids

Basic sediment and water and other tank bottoms from storage facilities that hold product and oil and gas waste

Accumulated materials such as hydrocarbons, solids, sand, and emulsion from production separators, fluid treating vessels, and production impoundments

Pit sludges and contaminated bottoms from storage or disposal of oil and gas wastes

Gas plant dehydration wastes, including glycol-based compounds, glycol filters, filter media, backwash, and molecular sieves

Spent oil and gas filters, filter media, and backwash

Pipe scale, hydrocarbon solids, hydrates, and other deposits removed from piping and equipment prior to transportation

Wastes from subsurface gas storage and retrieval

Constituents removed from produced water before it is injected or otherwise disposed of

Liquid hydrocarbons removed from the production stream but not from oil refining

Materials ejected from a producing well during the process known as blowdown

Waste crude oil from primary field operations and production

Light organics volatilized from oil and gas wastes in reserve pits or impoundments or production equipment

and

Other exploration and production wastes

NAD 83 SFC NCTZ GRID BEARINGS AND DISTANCES

El Paso County School Lands
Block 317, A-25



23
30

24 25
29 28

Fract. Section 29

Patton Exploration
Terry SWD Lease
(318 Acres)

Fisher County Road 410

Fisher County Road 403

Equal Line El Paso County School
Lands Block 317, A-25

11,112'

1469'

1

237'

5

4

Fisher County Road 412

Fisher County Road 403

6

Sidney P. Allen's Subdivision of
Leagues 304,305,318 and 319
Gillespie County School Land
A-27

LOCATION IS 4.4 MILES SOUTHWEST OF ROBY, TX
LOC. IS 237' FSL & 1469' FEL OF FRACTIONAL SECTION
29, OF EL PASO COUNTY SCHOOL
LOC. IS 237' FSL & 11,112' FEL OF EL PASO COUNTY
SCHOOL, BLOCK 317, ABSTRACT NUMBER 25
LOC. IS 1469' FEL & 237' FSL OF THE LEASE
LOC. N-6936106 E-1389609 NAD 83 NCTZ
LOC. X-1113619 Y-381358 NAD 27 NCTZ
LOC. LAT. 32°40'53.86" LONG. -100°22'53.92" NAD 83
LOC. LAT. 32.681628° LONG. -100.381645° NAD 83
ELEVATION: 2002'

Patton Exploration, Inc.
Terry SWD Lease
#1 Location

1. THE SURVEYOR HAS MADE NO INVESTIGATION OR
INDEPENDENT SEARCH FOR LEASE LINES, EASEMENTS OF
RECORD, ENCUMBRANCES, RESTRICTIVE CONVENANTS,
OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT A
CURRENT TITLE SEARCH MAY DISCLOSE. CONTRACTORS ARE
RESPONSIBLE FOR LOCATING ALL EASEMENTS.

2. NOTE: FOR SURVEY CONSTRUCTION, CORNER DESCRIPTIONS
AND RECORD REFERENCES, SEE SUPPORTING DOCUMENTS IN
FILE.

3. THE ABOVE SKETCH REPRESENTS THE LOCATION AS STAKED
ON THE GROUND AND IS FOR PERMIT PURPOSES ONLY. THE
LEASE OUTLINE IS BASED ON RECORD DATA PROVIDED BY THE
CLIENT.

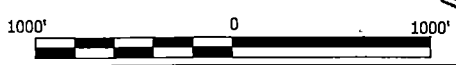


ERIC BRENNAN, TEXAS
REGISTERED PROFESSIONAL
LAND SURVEYOR
NUMBER 5560

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LOCATION PLAT: FISHER COUNTY
DRAWN BY: MD CHECKED BY: EB



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Scale	Date	Print Number
1"=1000'	15 November 2022	F-72L