



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

In the matter of an Application for a Drilling Permit by:

Permittee: Clearwater Land & Minerals FLA, LLC 416 Travis St. Suite 715 Shreveport, LA 71101 Attention: Mr. Edward R. Campbell III, Manager	File No.	1388
	PA No.	367919-001
	County:	Calhoun

NOTICE OF INTENT TO ISSUE DRILLING PERMIT OIL & GAS DRILLING APPLICATION

The Department of Environmental Protection (Department) gives notice of its intent to issue an Oil & Gas Drilling Permit in accordance with Part I of Chapter 377, Florida Statutes (F.S.), and Chapters 62C-25 through 62C-30, Florida Administrative Code (F.A.C). A copy of the draft permit and a notice, to be published by the permittee, are attached.

I. PROJECT LOCATION

The proposed project would be located in Township 3 South, Range 9 West, Section 10 (T3S/R9W/S10), east of Dead Lakes and approximately 4.5 miles south southwest of Marysville, in unincorporated Calhoun County at a site for a previously permitted well (No. 1374) that was never drilled. The project bottomhole would be at a non-routine well location in the southeast quarter-section of T3S/R9W/S10.

II. PROJECT DESCRIPTION

The proposal is to drill a directional exploratory oil and gas well (designated NLT Royalty Partners 10-4) to a total vertical depth of approximately 13,950 feet (ft) and a measured depth of approximately 14,095 ft. Under the previous permit, a limerock drilling pad was constructed within an approximate 3-acre bermed area between the Chipola River/Dead Lake system and the Apalachicola River on timberlands owned by Neal Land and Timber Company (now owned by Teal Timber, LLC). The ERP permit issued for construction of the previous drill pad and stormwater containment pond was transferred to Clearwater Land & Minerals FLA, LLC, on Dec. 20, 2023. A short access road was built to connect the pad with the existing silviculture access road system.

III. AUTHORITY FOR REVIEW

The Department has permitting authority under Part I of Chapter 377, F.S., and Chapter 62C-26, F.A.C. The activity is not exempt from the requirement to obtain a permit.

NOTICE OF INTENT TO ISSUE DRILLING PERMIT

IV. BASIS FOR ISSUANCE

The Department has reviewed the application for Oil and Gas Permit 1388, considered the applicable criteria in Section 377.241, F.S., and consulted with Calhoun County, the Northwest Florida Water Management District, the Florida Fish and Wildlife Conservation Commission, Florida Department of Transportation, the Department of State Division of Historical Resources, and the Department's Division of State Lands and Northwest District Office Environmental Resource Permitting Program. The applicant has submitted all information required under Rule 62C-26.003, F.A.C., and adequately demonstrated that the activities will be conducted in conformance with the applicable rules. Pursuant to Rule 62C-26.002(5)(c)1., F.A.C. and Section 377.2425(1), F.S., the applicant provided security for the well by joining the Minerals Trust Fund and has obtained permission from the surface owners and the mineral owners per Section 377.2411, F.S.

V. REQUIREMENT TO PUBLISH NOTICE

The Department has a reasonable expectation that the proposed activities will “result in a heightened public concern or likelihood of request for administrative proceedings” which necessitates publication of a Notice of Intent to Issue the Permit pursuant to Rule 62-110.106, F.A.C., “in the legal advertisements section of a newspaper of general circulation (i.e., one that meets the requirements of Sections 50.011 and 50.031 of the Florida Statutes) in the county or counties in which the proposed activity will take place” (i.e., Calhoun County). No application for a permit or other authorization for which published notice is required, shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051 of the Florida Statutes.”

VI. NOTICE OF RIGHTS

The Department will issue the final permit unless a timely petition for an administrative proceeding is filed pursuant to the provisions of Sections 120.569 and 120.57, F.S. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, this process may result in a modification of the proposed agency action or even denial of the application.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition must contain the following information:

- a. The name and address of each agency affected and each agency's file or identification number, if known;
- b. The name, address, any email address, any facsimile number, and telephone number of the petitioner; the name, address, email address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding, and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- c. A statement of when and how the petitioner received notice of the agency decision;
- d. A statement of all disputed issues of material fact; or, if there are none, the petition must so indicate;

NOTICE OF INTENT TO ISSUE DRILLING PERMIT

- e. A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- f. A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how any alleged facts relate to the specific rules or statutes; and
- g. A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

Petitions must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000 or at agency_clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation is not available in this proceeding.

The files associated with this action are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and online at <https://depedms.dep.state.fl.us/Oculus/servlet/login> . (Public Users may use the Public Oculus Login and search under Oil & Gas, Property, and Facility-Site ID for OG_1388.)

NOTICE OF INTENT TO ISSUE DRILLING PERMIT

Executed on April 26, 2024, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Gerald Walker, Environmental Administrator
Oil & Gas Program

Attachments: Draft Permit OG-1388
Public Notice of Intent to Issue Drilling Permit

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this Notice of Intent to Issue Drilling Permit was mailed electronically before the close of business on April 26, 2024 to Edward R. Campbell IV, Manager of Clearwater Land & Minerals FLA, LLC, at camp@campbellcompanies.net. This notice was also mailed electronically, on the same date, to the following persons:

Edward Murawski, Kleinfelder: emurawski@kleinfelder.com

Gene Bailey, Chair, Calhoun County Commission: gbailey@calhouncountygov.com

Timothy Riley, Esq., Gunster: triley@gunster.com

Andrew Joslyn, Northwest Florida Water Management District: Andrew.Joslyn@nwfwater.com

Fish & Wildlife Conservation Commission: FWCCConservationPlanningServices@myFWC.com

Kelly L. Chase, Florida Department of State, Division of Historic Resources:

Kelly.Chase@dos.myflorida.com

Director, DEP NWD: elizabeth.orr@dep.state.fl.us

Cameron Baxley, Apalachicola Riverkeeper: cameron@apalachicolariverkeeper.org

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated Deputy Department Clerk, receipt of which is hereby acknowledged.

Deputy Clerk

April 26, 2024

Date



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2600 Blair Stone Road
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Draft Oil & Gas Drilling Permit

Permittee: Clearwater Land & Minerals FLA, LLC 416 Travis St. Suite 715 Shreveport, LA 71101	Permit No.:	1388
	PA No:	442825-001
Well Name: NLT Royalty Partners 10-4	Date of Issue:	April 26, 2024
Security: Minerals Trust Fund	Expiration Date:	April 26, 2025

PROJECT DESCRIPTION

This permit authorizes Clearwater Land & Minerals FLA, LLC (Clearwater Land & Minerals) to drill a directional exploratory well in unincorporated Calhoun County Florida to a true vertical depth (TVD) of approximately 13,950 feet (ft) and a measured depth (MD) of approximately 14,095 ft, referenced to the rig Kelly Bushing (KB).¹

The permit application includes well control procedures, preventative measures, and contingency plans for responding to potential accidents and spills. Best Management Practices will be employed to reuse or dispose of drilling fluids, cuttings and formation water. Test fluids and gas will be recovered, sold, flared or hauled to permitted out-of-state facilities. Drilling operations will use water from a nearby well for which separate authorization is required.

A limerock pad and stormwater containment pond will be constructed within an approximate 440 by 425-ft bermed area. The rig will be located within an interior berm, on oak board mats, over a lined underdrain. A short access road will be constructed to connect the pad with the existing silviculture access road system.

PROJECT LOCATION

The surface hole location (SHL) is between Dead Lakes and the Apalachicola River and is approximately 4.5 miles south southwest of Marysville, in Township 3 South, Range 9 West, Section 10 (T3S/R9W/S10). The bottom hole location (BHL) is in the southeast quarter-section of T3S/R9W/S10. The well is designated as NLT Royalty Partners 10-4 at Pad 1.

¹ The KB for the rig is approximately 22 ft above ground-level. The wellbore will be drilled vertically from the proposed SHL to a depth of approximately 8,500 ft (TVD/MD), after which it will be drilled by building and maintaining a directional continuation of the wellbore at an angle of approximately 14 degrees from vertical. The wellbore will enter the Smackover Formation at approximately 12,590/12,694 ft (TVD/MD) and explore to ~13,950/14,095 ft (TVD/MD).

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FINANCIAL SECURITY

Pursuant to Rule 62C-26.002(5)(c), Florida Administrative Code (F.A.C.), and Section 377.2425(1), Florida Statutes (F.S.), the applicant provided security for the well by joining the Minerals Trust Fund (MTF).

AUTHORIZATIONS

The activities proposed in the application for Permit 1388 are consistent with the applicable statutes and rules governing drilling operations under Part I of Chapter 377, F.S., and Rules 62C-25 through 62C-30, F.A.C. The Department hereby issues Permit 1388 to Clearwater Land & Minerals Petroleum, Inc. The permittee is hereby authorized to drill, complete, and test the well, subject to the following conditions.

Issuance of this permit does not guarantee, imply, nor should it be inferred from such issuance, that future permits or modifications will be granted by the Department. Issuance of this permit does not relieve the permittee of the responsibility to comply with all applicable federal, state, county, municipal, and special district laws, ordinances, and rules; nor is the permittee relieved of the responsibility to obtain any licenses or permits which may be required by federal, state, county, municipal, or special district laws.

This permit does not convey to the permittee or create any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee.

PERMIT

The permittee is hereby advised to read and understand all permit conditions prior to initiating the activities authorized under this permit, and to ensure that work is conducted in conformance with all the terms and conditions. If the permittee employs a contractor, the contractor should also read and understand these conditions prior to beginning any activity. Failure to comply with these conditions may result in the suspension or revocation of this permit pursuant to Section 120.60, F.S.; injunctive relief pursuant to Section 377.34, F.S.; and penalties or damages pursuant to Section 377.37, F.S.

GENERAL CONDITIONS

1. **Expiration:** This drilling permit expires one year from the issuance date. If drilling has not begun within that period, then upon written request by the permittee, the Department shall extend the permit for an additional year. Subsequent requests for extensions shall be treated as new applications. [Rule 62C-26.003(2), F.A.C.]
2. **Conduct of Operations:** By accepting this permit, the permittee agrees to conduct all operations in accordance with Chapter 377, Part I, F.S. and Chapters 62C-25 through 62C-30, F.A.C. [Rule 62C-25.001(1), F.A.C.] Additionally, the permittee shall conduct operations in accordance with:
 - a. The conditions of this permit;
 - b. The Application for Permit to Drill (Form 3, Application Attachment 2), which is attached and incorporated as **Exhibit 1** of this permit;

OIL AND GAS DRILLING PERMIT

- c. The Stream Protection Letter (Attachment to Form 3, Application Attachment 10), which is attached and incorporated as **Exhibit 2** of this permit; and
- d. The Application Summary Report, Application Attachments 1 through 23, updated and included with the permittee's January 12, 2024 and January 29, 2024, response to the Department's request for additional information (RAI response), as cited in this permit.

[Rule 62C-26.003(3), F.A.C.]

- 3. **Notifications and Submittals:** All notifications and submittals required under this permit shall be provided by electronic mail to the Department's Oil and Gas Program at OGP@dep.state.fl.us. Where notification to the Department's Jay Oil and Gas Field Office is required, such notification shall be made to the Department's Field office at 850-675-6558 and the Department's field agents at 850-449-5025 and 850-490-0790.
- 4. **Blowouts or Other Emergencies:** The permittee shall, in the event of a blowout or other emergency, bring the situation under control as rapidly as possible. The permittee is advised that failure to do so will cause the Department to bring the situation under control at the expense of the permittee. [Section 377.40, F.S. and Rule 62C-28.005, F.A.C.]
- 5. **Emergency Response Contingencies.** Any accident, blowout or other unauthorized release of produced fluids containing a pollutant or hazardous substance that is not contained on or within the berm surrounding the drilling pad shall be addressed in accordance with Rules 62-780.500, F.A.C., and 62-780.550 or Rule 62-780.560, F.A.C., as applicable. A qualified person shall obtain soil or water samples in accordance with Chapter 62-160, F.A.C., as applicable, and shall comply with the reporting requirements of Rule 62-780.300(2), F.A.C. [Sections 377.34 and 377.371, F.S.]
- 6. **Notification of Rig Schedule:** The permittee shall notify the Department's Oil and Gas Program and the Office of Emergency Response (OER) as early as practicable and at least seven calendar days prior to entry of the drilling rig onto the project site. Notification to the OER shall be provided by electronic mail to Joey Whibbs at earl.whibbs@floridadep.gov. Similar notification is required for the completion rig. The notification shall include at a minimum:
 - a. The company name and rig number;
 - b. Telephone numbers of responsible company personnel, contractors, and drilling superintendent;
 - c. The planned work schedule, including approximate spud date and estimated date that the drilled depth will reach 10,000 ft TVD.

[Section 377.371(1), F.S., Pollution Prohibited]

- 7. **Commencement Notification:** The permittee shall notify the Department's Oil and Gas Program not less than twenty-four hours prior to starting work and thereafter as directed. [Rule 62C-25.001, F.A.C.]

OIL AND GAS DRILLING PERMIT

- 8. Identification of Wells:** The permittee shall keep a sign that is legible from 100 feet posted in a conspicuous place near the well displaying the name of the permittee, fee owner, well number, Department permit number, county name, section, township, and range. [Rule 62C-27.001(1), F.A.C.]
- 9. Reporting Requirements:**
- a. The permittee shall submit to the Department's Oil and Gas Program a copy of the abbreviated driller's log on a daily basis.
 - b. The permittee shall keep at the well site a complete driller's log and a copy of all well logs run on the well. These shall be accessible to the Department's Oil and Gas Program.
 - c. The permittee shall submit to the Department's Oil and Gas Program the Well Record (Oil & Gas Form 8) within 30 days after reaching total depth, and the Well Completion Report (Oil & Gas Form 9) within 30 days after testing the well.
 - d. The permittee shall provide a cut of all samples and cores taken, a complete set of all well logs, a mud log, a directional survey and any core or sample analysis reports that have been generated within 30 days after reaching total depth. Prior to providing the samples and cores to the Department, the permittee shall consult with the Department's Jay Oil and Gas Field Office regarding the most efficient way to protect and transfer them.
- [Rules 62C-27.001(3) and (3)(a), F.A.C.]
- 10. Pollution Prohibited:** In accordance with Section 377.371(1), F.S., the permittee may not pollute land or water; damage aquatic or marine life, wildlife, birds, or public or private property; or allow any extraneous matter to enter or damage any mineral or freshwater-bearing formation. [Section 377.371(1), F.S.]
- 11. Site and Records Access:** The permittee shall allow the Department's agents to examine, at any time, all records and facilities related to its permits. Inspections of records and papers shall be conducted during regular operating hours unless an emergency exists; other inspections may be conducted at any time. [Section 377.21, F.S. and Rule 62C-25.001(3), F.A.C.]
- 12. Compliance Required:** The failure to comply with any general or specific condition herein is a violation of this permit and may result in the judicial imposition of: an injunction restraining the permittee from continuing such a violation; a civil penalty in an amount of \$15,000 for any day during any portion of which such violation occurs; and/or liability to the State for any damage caused to the air, waters, or property (including animal, plant, or aquatic life) of the State and the reasonable costs and expenses of the State in tracing the source of the discharge, controlling and abating the source and the pollutants, and restoring the air, waters, and property. [Sections 377.34 and 377.37, F.S.]

SURFACE FACILITIES

- 13. Surface and Bottom Hole Locations:** The surface and bottom holes shall conform to the locations specified in **Exhibit 1**, the "Application for Permit to Drill" (Form 3, Application Attachment 2). [Application; Rules 62C-26.003(3), 62C-26.003(7), and 62C-27.010(2), F.A.C.]

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- 14. Non-Routine Well Location:** The well will be located within the southeast quarter-section of Township 3 South, Range 9 West, Section 10 (T3S/R9W/S10), as depicted in **Exhibit 3** (Survey Plat, Non-Routine Well Location, Application Attachment 5) of this permit. The well bottomhole location (BHL) is less than 920 feet (the routine minimum spacing) from the contiguous southwest quarter-section of T3S/R9W/S11. [Application; Rules 62C-26.003(4) and (6), F.A.C.]
- 15. Surface Facilities:** The permittee shall orient and construct the surface facilities as described in **Exhibit 4**, “Stormwater Management and Containment Berm Systems” contained in Application Attachment 23, Permitted Site Plan for NLT Royalty Partners 10-4 Well at Pad 1. Additionally:
- a. The permittee shall construct berms of sufficient size and strength to prevent rainwater from washing onto and inundating pads and to contain any spills that may occur during drilling operations around well sites. [Rule 62C-27.001(4)(c), F.A.C.]
 - b. Retention basins and berms shall be designed and constructed as described in Sheets 2, 3 and 4 of the project Site Development Plans. The outer berm surrounding the drilling pad shall be designed and constructed to contain fluids within the work area. The storage capacity of the retention system and perimeter berm shall be designed and constructed to contain site run-off from a 24-hour duration, 100-year storm event. [Application; Site Development Plans; Section 377.371, F.S., Pollution Prohibited]
- 16. Rig Substructure and Ancillary Equipment:** The permittee shall utilize Best Management Practices to prevent pollution in the area around and under the rig substructure and ancillary equipment. Specifically:
- a. The rig shall be assembled and oriented within a lined, interior berm system (secondary containment system), as shown in **Exhibit 5**.
 - b. The permittee shall install a rig mat secondary containment system comprised of an underdrain with a 60-mils liner to contain stormwater for reuse in drilling operations.
 - c. Runoff from the secondary containment shall be directed by sump pumps into collection tanks placed outside of the rig mat and within the pad limits.
- [Application; Section 377.371, F.S., Pollution Prohibited]

DRILLING AND FLUIDS

- 17. Drilling Procedures:** The permittee shall adhere to the “Drilling Procedure” (Application Attachment 14), including a closed-loop mud system without a reserve pit. Additionally:
- a. The permittee shall not use earthen mud pits to contain active drilling fluids. The permittee shall install mud tanks to contain all active drilling fluids at the surface prior to spudding the well. [Rule 62C-27.001(4), F.A.C.]
 - b. Once commenced, drilling operations shall not be suspended except in emergency situations created by hurricanes, flooding, fire, etc. Drilling shall resume as soon as possible. All wells under construction on which drilling activities have been suspended in non-emergency situations shall be considered abandoned and shall be plugged in accordance with Rule 62C-29.009, F.A.C. [Application; Rules 62C-27.001(2) and (4)(b), and 62C-29.009, F.A.C.]

OIL AND GAS DRILLING PERMIT

- c. The permittee shall maintain sufficient quantities of mud and mud additives readily accessible for use to ensure well control. The testing procedures, characteristics and use of drilling fluid and the conduct of related drilling procedures shall be such as are necessary to prevent blowouts. Necessary mud testing equipment and mud volume measuring devices shall be maintained at all times, and mud tests shall be performed at a frequency to ensure appropriate well control and recorded in the driller's log. [Rule 62C-27.007(1), F.A.C.]
- d. The permittee shall not perform operations on this well at a pressure, duration, and volume in order to propagate fractures in the oil producing formation without providing written notice to the Department, and receiving prior approval, from the Department for a specific plan for such operations. [Sections 377.22 and 377.371, F.S.]

18. Drilling Fluid Management: The permittee shall adhere to the "Drilling Fluids Program" (Application Attachment 15). Additionally, requirements a. and b., below, apply at all times unless drilling in lost circulation zones.

- a. Before starting out of hole with drill pipe, the drilling fluid shall be circulated with drill pipe just off bottom until the drilling fluid is properly conditioned to ensure a safe trip. When coming out of the hole with drill pipe, the annulus shall be filled with drilling fluid before the drilling fluid level drops below 100 feet, and a mechanical device for measuring the amount of drilling fluid required to fill the hole shall be utilized. [Rule 62C-27.007(2), F.A.C.]
- b. The volume of drilling fluid required to fill the hole shall be monitored, and any time there is an indication of swabbing, or an influx of formation fluids, the necessary safety device(s) shall be installed on the drill pipe, the drill pipe shall be run to bottom and the drilling fluid properly conditioned. The drilling fluid shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom. [Rule 62C-27.007(2), F.A.C.]

[Application; Rule 62C-27.007, F.A.C.; Section 377.22(2), F.S.]

19. Drilling Fluid Testing and Monitoring:

- a. Drilling fluid testing equipment shall be maintained on the drilling location at all times, and drilling fluid tests shall be performed daily, or more frequently as conditions warrant to ensure appropriate well control. [Rule 62C-27.007(3), F.A.C.]
- b. The following drilling fluid system monitoring equipment, with derrick floor indicators, shall be installed and used throughout the period of drilling after setting and cementing surface casing, if weighted drilling fluid is required:
 - i. Fluid level and mud flow indicators with charts and alarms;
 - ii. A drilling fluid volume measuring device for accurately determining volumes required to fill the hole on trips; and
 - iii. A drilling fluid return indicator to determine that returns essentially equal the pump discharge rate.

[Rules 62C-27.007(4), F.A.C.]

CASING AND CEMENTING

- 20. General Casing Practices:** The well shall be cased and cemented so as to maintain well control and prevent degradation of other natural resources, including water and petroleum. All casing shall be new pipe or reconditioned so as to be equivalent to new pipe. After cementing, drilling shall be discontinued for 12 hours if float valves are used; 24 hours if such valves are not used or do not hold pressure. [Rule 62C-27.005, F.A.C.]
- 21. Specific Casing Practices:** Refer to “Wellbore, Casing and Cementing Diagram” attached and incorporated as **Exhibit 6** to this permit. The well shall be cased and cemented in accordance with:
- a. The “Proposed Wellbore Schematic” depicted in Attachment 20 of the Application Summary Report;
 - b. The “Cementing Plan for the 9 5/8-inch surface casing” (Application Attachment 17); and
 - c. The “Cementing Plan for the 5 ½-inch production casing” (Application Attachment 18).
- [Application; Rule 62C-27.005, F.A.C.]
- 22. Casing Pressure Tests:** All casing strings except the conductor shall be pressure tested as specified below prior to well completion or drilling out after cementing. These tests shall not exceed the working pressure of the casing.

<u>Casing String</u>	<u>Minimum Surface Pressure (whichever is greater)</u>
Surface	1,000 pounds per square inch (psi)
Production	1,500 psi or 0.2 psi/ft. of depth
Tubing and Packer	1,000 psi or 0.2 psi/ft. of depth

Casing pressure tests shall be thirty minutes long and shall have no more than a 10 percent pressure drop. If there is an indication of a leak, necessary remedial measures will be taken and the casing retested. All pressure tests shall be recorded in the driller’s log.

[Rule 62C-27.005(4) and (5), F.A.C.]

WELL CONTROL

- 23. Well Control Program:** The permittee shall install and use the well control equipment identified in the Well Control Protocol of the Application (Application Attachment 21). Additionally:
- a. The permittee shall take all necessary precautions to keep the well under control at all times, shall utilize only contractors or employees trained and competent to drill and operate such wells, and shall use only oil field equipment and practices generally used in the industry. [Rule 62C-27.001(5), F.A.C.]
 - b. The permittee shall pressure-test the BOP and related well-control equipment at the following intervals and as described below:

- i. When installed;
- ii. Before drilling out after each string of casing is set;
- iii. Not less than once each week while drilling;
- iv. Following repairs that require disconnecting a pressure seal in the assembly; and
- v. At such other times as prescribed by the Department.

[Rule 62C-27.006(2), F.A.C.]

- c. Ram-type BOPs shall be tested to the working pressure of the stack assembly or the casinghead, whichever is less. Bag-type blowout preventers shall be tested up to 70 percent of the ram-type blowout preventer test pressure. [Rule 62C-27.006(3), F.A.C.]
- d. A bag-type BOP shall be actuated on the drill pipe or drill collars weekly. Accumulators and pumps shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers. A BOP drill shall be conducted weekly for each drilling crew to ensure that all equipment is operational and that crews are properly trained to carry out emergency duties. All BOP tests and crew drills shall be recorded in the driller's log. [Rule 62C-27.006(4), F.A.C.]
- e. A required weekly BOP test while drilling may be deferred up to one week to avoid unnecessary tripping of the drill string or conditions that would endanger the hole. BOP tests shall be recorded on the driller's log. [Rule 62C-27.006(2), (3) and (4), F.A.C.]

HYDROGEN SULFIDE (H₂S)

24. Flaring Operations: The permittee shall install the flare system before the well depth reaches 10,000 ft, TVD. The permittee shall also:

- a. Secure all lines by staking down or chaining to a fixed object;
- b. Install a flare head of sufficient design on the end of the line such that it will remain lit while exposed to high-pressure gas;
- c. Use propane as the source gas for the flare;
- d. Ignite the flare and reignite as necessary;
- e. Maintain a flare pistol on site for backup ignition; and
- f. Provide notice to the local Fire Department prior to first ignition of flare.

[Rule 62C-27.001(7), F.A.C.]

25. H₂S Safety and Contingency Plans: The permittee shall implement the "H₂S Contingency Plan" (Application Attachment 10). Additionally:

- a. The permittee shall bring a safety contractor to the site to continuously monitor the work area for H₂S, starting when the well reaches a depth of 10,000 ft, TVD.

OIL AND GAS DRILLING PERMIT

- b. The H₂S contingency plan shall go into effect when the well reaches a depth of 10,000 ft, TVD.
- c. The permittee shall contact hunting lessees in the immediate area and ensure they are instructed on potential H₂S hazards;
- d. The permittee will place signs along the east shore of Dead Lakes describing drilling operations;
- e. The permittee shall post notices at launch sites for recreational boaters and fishermen regarding the drilling operations;
- f. In the event of an H₂S release, the permittee shall also:
 - i. Dispatch sufficient personnel to immediately warn residents, hunters, boaters and fishermen within the calculated radius of exposure;
 - ii. Place required green, yellow, or red flags at the well site entrance and the intersection of River Road and Lower Brown Lake Road; and
 - iii. Immediately notify proper authorities, including the Calhoun County Sheriff's Office, Florida Highway Patrol, Scotts Ferry Volunteer Fire Department and any other applicable public officials and will enlist their assistance in warning people performing recreational activities within the calculated radius of exposure.

[Application; Rule 62C-27.001(7), F.A.C.]

WELL COMPLETION

26. Well Testing:

- a. All drill stem tests (i.e., tests of the well with the drill string still in the hole) shall be conducted in accordance with generally accepted industry standards and practices and shall be conducted only during daylight hours. Prefabricated tanks shall be used to contain all produced fluids and a gas flare system with automatic ignition and scrubbers shall be used to safely flare gas and prevent spills. [Rule 62C-27.001(6), F.A.C.]
- b. If there is no oil show or if after testing the well is not commercially viable, Clearwater Land & Minerals shall promptly: plug and abandon (P&A) the well, remove equipment and clean the location; and restore the location per state rules and as agreed with surface owner. [Rule 62C-29.009, F.A.C.]

27. Plugging and Abandonment:

- a. Operators must obtain Department approval prior to commencing plugging operations. [Rule 62C-29.009, F.A.C.]
- b. If there is no oil show or if after testing the well is not commercially viable as a production well, the permittee shall promptly submit a proposal to the Department to plug and abandon (P&A) the well.
- c. Any proposal to temporarily P&A the well shall be accompanied by plans and milestones for its future use or to permanently P&A.

OIL AND GAS DRILLING PERMIT

- d. The permittee shall promptly implement the P&A plan following Department approval. [Application; Rule 62C-29.009, F.A.C.]
[Section 377.371, F.S., Pollution Prohibited]

WELL OPERATION

- 28. Operating Permit:** Before using the well for its intended purpose (produce oil, dispose of saltwater, inject fluids for pressure maintenance, hold for future use, etc.), the permittee shall first obtain a permit to operate that well. [Application; Rule 62C-26.008, F.A.C.]

POLLUTION PREVENTION

- 29. Spill Prevention and Cleanup:** The permittee shall ensure that the rig operator adheres to its current Spill Prevention Control and Countermeasure Plan (Plan) pursuant to 40 CFR 112 while on the project site.² [Application Attachment 9] Additionally:
- a. In the event of a leak or spill the permittee shall take immediate corrective action to rapidly bring any spill under control and to clean up the site without delay.
 - b. Spills or leakage of oil, gas, other petroleum products, or waste material, of any quantity that cannot be immediately controlled, shall be reported immediately to the Department's Oil and Gas Field Office at 850-675-6558 and the Department's field agents at 850-449-5025 and 850-490-0790 and followed up promptly by electronic mail. Such spills or leakage shall also be immediately reported to the State Watch Office at 1-800-320-0519, as applicable. [Section 377.371(2), F.S.]
 - c. Spills or leakage of oil, gas, other petroleum products, or waste material, that can be immediately controlled shall be reported as soon as practicable and within 24 hours of discovery to the Department's Oil and Gas Field Office at 850-675-6558 and followed up promptly by electronic mail. [Section 377.371(2), F.S.]
 - d. In addition to the reporting required by paragraphs b. and c., the permittee shall immediately confirm in writing to the Department all spills of crude petroleum or associated fluids greater than five (5) barrels. [Rule 62C-28.005(1), F.A.C.]
 - e. The permittee shall clean the site of any oil or other contaminants spilled in conjunction with the drilling, production and transportation activities. [Rule 62C-30.005(2)(c)5, F.A.C.]
 - f. Any unauthorized release of produced fluids containing a pollutant or hazardous substance shall be addressed in accordance with Rules 62-780.500, F.A.C., and 62-780.550 or Rule 62-780.560, F.A.C., as applicable. A qualified person shall obtain soil or water samples in accordance with Rule 62-160, F.A.C., as applicable, and shall comply with the reporting requirements of Rule 62-780.300(2), F.A.C.

[Section 377.371, F.S., Pollution Prohibited]

² SPCC. Drilling Operations, RAPAD Drilling & Well Service Inc. Rigs 31, 32, 33, 34, 35, 36, 38, 40 and 41 operating in Louisiana, Mississippi, Alabama and Florida, Feb 2019.

- 30. Waste Disposal Best Management Practices:** The permittee shall implement the following BMP for disposition or disposal of materials and wastes from drilling, testing, and other on-site activities:
- a. Drill fluids, comprised of makeup water, drilling muds, drill cuttings and formation water shall be stored in steel tanks on site.
 - i. If the well is completed, drill fluids shall be hauled to a permitted Class II Underground Injection Control (UIC) well or permitted waste disposal facility.
 - ii. In lieu of disposal, drill cuttings may be washed, stored, tested and then beneficially reused following an applicant request and Department approval that ensures that the hydrocarbon content, moisture content, salinity, and clay content of the cuttings are suitable for the intended use of the material.
 - iii. If the well is not completed, drilling fluids shall be disposed as described in i., above or may be pumped downhole into the wellbore after evaluation of surface casing cement logs.³
 - b. Test fluids shall be handled and disposed as follows:
 - i. Spent near-wellbore cleanup fluids, consisting of neutralized acid and formation water, shall be stored in tanks or a tanker and hauled by a contractor to an approved Class II UIC well or permitted waste disposal facility.
 - ii. Crude oil shall be collected in a separation tank/vessel and hauled by contractor to an approved handling facility.
 - iii. Associated natural gas from the separation tank/vessel shall be flared on-site; and
 - iv. Formation water from the separation tank/vessel shall be hauled by contractor to an approved Class II UIC well or permitted waste disposal facility.

[Application Summary Report; Section 377.371, F.S., Pollution Prohibited]

³ Surface casing will be set of approximately 3,500 ft (TVD) and cemented back to surface. The lowest USDW is between 800 and 1,500 ft (TVD) and will be protected by the surface casing, cement and tight intervening formations.

OIL AND GAS DRILLING PERMIT

This permit constitutes an order of the Department. Any party to this order has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under Florida Appellate Rules of Procedure Rules 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399 3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the order is filed with the Clerk of the Department.

The files associated with this order are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays at the Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and online at <https://depdms.dep.state.fl.us/Oculus/servlet/login>. (Public Users may use the Public Oculus Login and search under Oil & Gas, Property, and Facility-Site ID for OG_1388.)

Executed on April 26, 2024, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Gerald A Walker
Administrator Oil & Gas Program

Attachments:

- Exhibit 1. Application for Permit to Drill (Form 3)
- Exhibit 2. Stream Protection Letter
- Exhibit 3. Survey Plat, Non-Routine Well Location
- Exhibit 4. Stormwater Management and Containment Berm Systems
- Exhibit 5. Drilling Rig Layout and Secondary Containment - RAPAD Rig 33
- Exhibit 6. NLT Royalty Partners Well 10-4 at Pad 1 Wellbore, Casing and Cementing Diagram

OIL AND GAS DRILLING PERMIT

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this final order was mailed electronically before the close of business on April 26, 2024, to Edward R. Campbell IV, Manager of Clearwater Land & Minerals FLA, LLC, at camp@campbellcompanies.net. This notice was also mailed electronically, on the same date, to the following persons:

Shannon Freemon, Kleinfelder: sfreemon@kleinfelder.com

Edward Murawski, Kleinfelder: emurawski@kleinfelder.com

Gene Bailey, Chair, Calhoun County Commission: gbailey@calhouncountygov.com

Timothy Riley, Esq., Gunster: triley@gunster.com

Andrew Joslyn, Northwest Florida Water Management District: Andrew.Joslyn@nwfwater.com

Fish & Wildlife Conservation Commission: FWCCConservationPlanningServices@myFWC.com

Kelly L. Chase, Florida Department of State, Division of Historic Resources:

Kelly.Chase@dos.myflorida.com

Director, DEP NWD: elizabeth.orr@dep.state.fl.us

Cameron Baxley, Apalachicola Riverkeeper: cameron@apalachicolariverkeeper.org

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated Deputy Department Clerk, receipt of which is hereby acknowledged.

Deputy Clerk

April 26, 2024

Date

Exhibit 1. Application for Permit to Drill (Form 3, Application Attachment 2)

Florida Department of Environmental Protection	<table style="width:100%; border: none;"> <tr> <td style="border: none;">Form Title:</td> <td style="border: none;">APPLICATION FOR PERMIT TO DRILL</td> </tr> <tr> <td style="border: none;">Date Revised:</td> <td style="border: none;">April 22, 2014</td> </tr> <tr> <td style="border: none;">Incorporated by Reference in:</td> <td style="border: none;">Section 62C-25.006(4)(a), F.A.C.</td> </tr> </table>	Form Title:	APPLICATION FOR PERMIT TO DRILL	Date Revised:	April 22, 2014	Incorporated by Reference in:	Section 62C-25.006(4)(a), F.A.C.
Form Title:	APPLICATION FOR PERMIT TO DRILL						
Date Revised:	April 22, 2014						
Incorporated by Reference in:	Section 62C-25.006(4)(a), F.A.C.						

For information and fees regarding drilling permits for oil and gas related wells, refer to Chapter 62C-26, Florida Administrative Code. File this form with the Florida Department of Environmental Protection, Oil and Gas Program, 2600 Blair Stone Road, MS 3588, Tallahassee, Florida 32399-2400; (phone 850-245-8336) or, Email: OGP@dep.state.fl.us
Clearwater Land & Minerals, Fla LLC
416 Travis St. Suite 715
Shreveport, Louisiana 71101

(Company's Name and Address)

Phone Number: 318-464-6207 Fax Number: _____
 Well Name and Number: NLT Royalty Partners 10-4
 Ground Elevation: 36' Acres Assigned to Well: 158 Latitude: 30.23475N Longitude: 85.12548W
 SHL: N30.2347566; W85.1254806 Sec. 10 T. 3S R. 9W
 BHL: N30.2319513; W85.1226729 Sec. 10 T. 3S R. 9W

Field/Area: Exploratory well County: Calhoun
 Distance to nearest drilling unit boundary: 1026' FSL and 702' FEL Proposed Depth: 14,095' MD/13,950' TVD

Do you have all of the mineral interest in the drilling unit under lease or title? Yes (Yes or No) If not, attach lease map showing ownership of all mineral acreage within the drilling unit and list the names and addresses of all nonconsenting mineral owners. (See section 377.2411 and .247, Florida Statutes.)

- (Please answer YES or NO) Is the structure intended for the drilling or production of this well located (See section 377.24, F. S.)
- a) in a municipality? No
 - b) in tidal waters within 3 miles of a municipality? No
 - c) on an improved beach? No
 - d) on any submerged land within a bay, estuary, or offshore waters? No
 - e) within one mile seaward of the coastline of the state? No
 - f) within one mile seaward of the boundary of a local, state or federal park or an aquatic or wildlife preserve? No
 - g) On the surface of a freshwater lake, river or stream? No
 - h) within one mile inland from the shoreline of the Gulf of Mexico, the Atlantic Ocean or any bay or estuary? No
 - i) within one mile of any freshwater lake, river or stream? Yes

If the answer to a, b, or c is YES, attach copies of local governing authorities' permits. If the answer to h or i is YES, attach a contingency plan specifying safeguards being implemented to prevent accidents and/or blowouts and to protect the natural resources of such bodies of water and shore areas in the event of an accident or blowout.

The security for this well is on file (attached or on file) with the Oil and Gas Program (see Rule 62C-26.002) and bears Serial Number N/A.

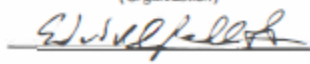
=====

Company's Statement

State: Florida County: Calhoun

I, Edward R. Campbell IV, am the Manager
(Name) (Title)

of Clearwater Land & Minerals, Fla LLC and attest to all information contained herein to be true and correct.
(Organization)

Signature:  Residential Address: 416 Travis St Ste 715
 Date: 12/4/23 City/State/Zip: Shreveport, LA 71101

=====

File Number: _____ Action: _____ Date: _____ A.P. I. Number: _____
(Approved, Denied)

Exhibit 2. Stream Protection Letter (Application Attachment 8)



November 28, 2023
Kleinfelder Project No.: 24001925.001A

Mr. Gerald Walker, Environmental Administrator
Oil and Gas Program
Florida Department of Environmental Protection
2600 Blair Stone Road M.S. 3500
Tallahassee, Florida 32399

**Subject: Adequate Protection of Streams in the Event of Accident of Blowout
Application for Permit to Drill
Clearwater Land & Minerals FLA, LLC – NLT Royalty Partners 10-4 Well at Pad 1
Gulf County, Florida**

Dear Mr. Walker.:

The following letter is in support of an Application for Permit to Drill #1374, NLT Royalty Partners 10-4 Exploration Well No. 1 Oil Well Pad (**Figure 1**), in accordance with the requirements of Florida Statutes 377.242(1)(a)(4) and Application for Permit to Drill – Oil & Gas, Form 3.

Pursuant to Florida Statute 377.242(1)(a)(4),

“No structure intended for the drilling for, or production of, oil, gas, or other petroleum products may be permitted or constructed within 1 mile inland from the shoreline of the Gulf of Mexico, the Atlantic Ocean, or any bay or estuary or within 1 mile of any freshwater lake, river, or stream unless the department is satisfied that the natural resources of such bodies of water and shore areas of the state will be adequately protected in the event of accident or blowout.”

This letter describes all water bodies listed above and within one mile of the proposed well, and details mitigation of risk due to a variety of factors. In summary, the geologic, engineering, and topographic factors present, as well as the operational safeguards and contingencies built into the drilling program, the risk of a well control event leading to a blowout at the surface is extremely low and all bodies of water located within one mile of the proposed well are adequately protected. The following is a description of the site and protection measures that will be implemented.

SITE DESCRIPTION

Watershed

The proposed well sits within the Apalachicola watershed basin (**Figure 2**). National Hydrologic Data (NHD) defined perennial, intermittent streams and artificial paths within one mile of the proposed well occur within the Apalachicola watershed basin.

24001925.001A/TAM23L160063
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December 4, 2023
www.kleinfelder.com

KLEINFELDER 1907 North US Highway 301, Suite 100, Tampa, FL 33619 p | 813.887.3900

Exhibit 2. Stream Protection Letter (Application Attachment 8)

National Hydrologic Data

Within one mile of the proposed well location there is one NHD defined intermittent stream, and three perennial streams, all of which are tributaries to the named Apalachicola River (**Figure 2**).

Topography

Based on a review of USGS quadrangle map (**Figure 3**), the proposed well location is located at approximately 40-ft. NGVD. The USGS quadrangle depicts topography surrounding the site as generally sloping towards the north, west, south, and southeast.

National Wetland Inventory

National Wetland Inventory (NWI) defined surface waters and wetlands occur within the project boundary as well as within one mile of the proposed well as associated with previously described streams (**Figure 4**). Two ponds and two streams are located within the one-mile radius of the proposed well site. One of the two ponds is known as Brown Lake and is located approximately 4,950 ft east southeast of the proposed surface hole location. Brown Lake slough connects Brown Lake to Apalachicola River which is approximately 4,820 ft southeast of the surface hole location.

An unnamed pond is approximately 2,300 ft east southeast of the surface hole location. The feature is not connected to any perennial or intermittent feature. There are unnamed channels within the one-mile radius of the proposed well location. The closest channel is approximately 4,680 ft northeast and is an intermittent hydraulic feature that is seasonally inundated.

ADEQUATE PROTECTION OF STREAMS

Geologic Factors

The shorelines at the Little Cedar Creek / Brooklyn Field System and the Apalachicola Embayment are both controlled by pre-Jurassic mountain ranges of paleozoic basement (the buried foothills of the Appalachian Mountain range). The shorelines are created as the maximum transgression and highstand (the highest ocean water levels) as the Smackover reaches its most Northern push and gets halted by the exposed mountain ranges. These basement mountain ranges were exposed on the highest ridges and peaks and were covered by pre-Jurassic gravels and/or Norphlet Sands on the flanks.

A beach along a shoreline, or a reef - in either case, this 'created on the shoreline' reservoir rock is limited basinward (as the beach or reef doesn't go way out into the deep ocean), and the reservoir rock is limited shoreward (as the beach or reef doesn't extend inland) and now all that is left for a trap is the beach or reef's lateral extent. The lateral break at Little Cedar Creek Field was 17 miles up from the oil water contacts.

After reviewing 100's of lines of 2-D shelf data, we acquired the 2 key 2-D shelf lines and then shot 6 proprietary 2-D lines across the prospective shoreline reefs and bars. The prospect area is on the depositional shelf on the Eastern and protected side of a major basement ridge - being on the Eastern side of the major ridge is another major key, and is similar to what has been observed at the Analogous Little Cedar Creek/Brooklyn Field System (LCCBFS).

During the development of LCCBFS, and in 102 consecutive months, Craft Companies participated in 56 newly completed producing wells which had an average IP Rate of 295 BOPD and 248 MCFPD with an average Cum of 313,956 BO and 544,898 MCF thru 05/2022 with 36 of the 56 wells still producing 37,238

Exhibit 2. Stream Protection Letter (Application Attachment 8)

BOPM. The best IP rate was 627 BOPD and 540 MCF from 12/64 choke with 1850# FTP. The best Cum was 1,783,101 BO and 3,199,961 MCF. In addition to the four fields developed in the LCCBFS, Craft Companies also participated in an additional 19 new field discoveries and/or field extensions in the South Alabama Smackover arena. Of this total of 23 new fields and/or field extensions, 19 were generated by Craft.

Engineering Factors

The proposed well will be drilled on a newly constructed 440-ft. x 425-ft. pad designed in accordance with Northwest Florida Water Management District stormwater requirements. Construction will include an outer berm to surround the drill pad and is designed to contain any surface fluids and retard run-off into local water bodies. A secondary containment stormwater management system will contain runoff from the rig mat area and the fuel storage tanks, during the 2-year, 24-hour storm event. This system will collect stormwater runoff and operation fluid volumes that could run off the drill rig during drilling operations (i.e. drilling mud, drill water, etc.); two sump pumps in the containment ditch which will direct the volumes into collection tanks. The storage capacity of the onsite retention system and perimeter berm is designed to mitigate risk of run-off during a 100-year storm event.

Additional operational safeguards are described in documents to be submitted in support of this application. These include the Drilling Program, and Additional Well Control Measures, which outlines practices and mechanical systems, such as the BOP stack, which are designed to meet or exceed FDEP standards and prevent surface blowouts. Also described are contingency plans developed to respond to hypothetical well control events.


CONCLUSION

The referenced Application for Permit to Drill #1374, NLT Royalty Partners 10-4 Exploration well No. 1 Oil Well Pad provides for the adequate protection of surface waters pursuant to Florida Statutes 377.242(1)(a)(4). Due to the low-to-normally pressured nature of the Smackover Formation and the implementation of cultural and operational safeguards, the risk of a surface blowout at the proposed well should be considered low. Should a well control event result in surface fluids, the engineered system control including the 3-ft. perimeter berm and secondary containment around the drill rig mitigates the risk of discharge into local water bodies. Well control protocols are in place and blowout preventions are in place for drilling. Equipment for spill cleanup and personnel will be available during drilling.

We trust the attached information is sufficient to provide reasonable assurance for adequate protection of surface waters. If you have any questions or need anything else regarding these responses, please don't hesitate to contact me. Thanks so much, and all the best.

Sincerely,

KLEINFELDER, INC.



Shannon Freemon
Project Manager



Ed Murawski
Program Manager

cc: Camp Campbell, Clearwater Land & Minerals FLA, LLC
Timothy Riley, Gunster

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December 4, 2023
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Exhibit 2. Stream Protection Letter (Application Attachment 8)



Attachments: Figure 1 – Location Map
Figure 2 – Watershed Boundary Map
Figure 3 – USGS Topo Map
Figure 4 – National Wetlands Inventory Map

Exhibit 2. Stream Protection Letter (Application Attachment 8)

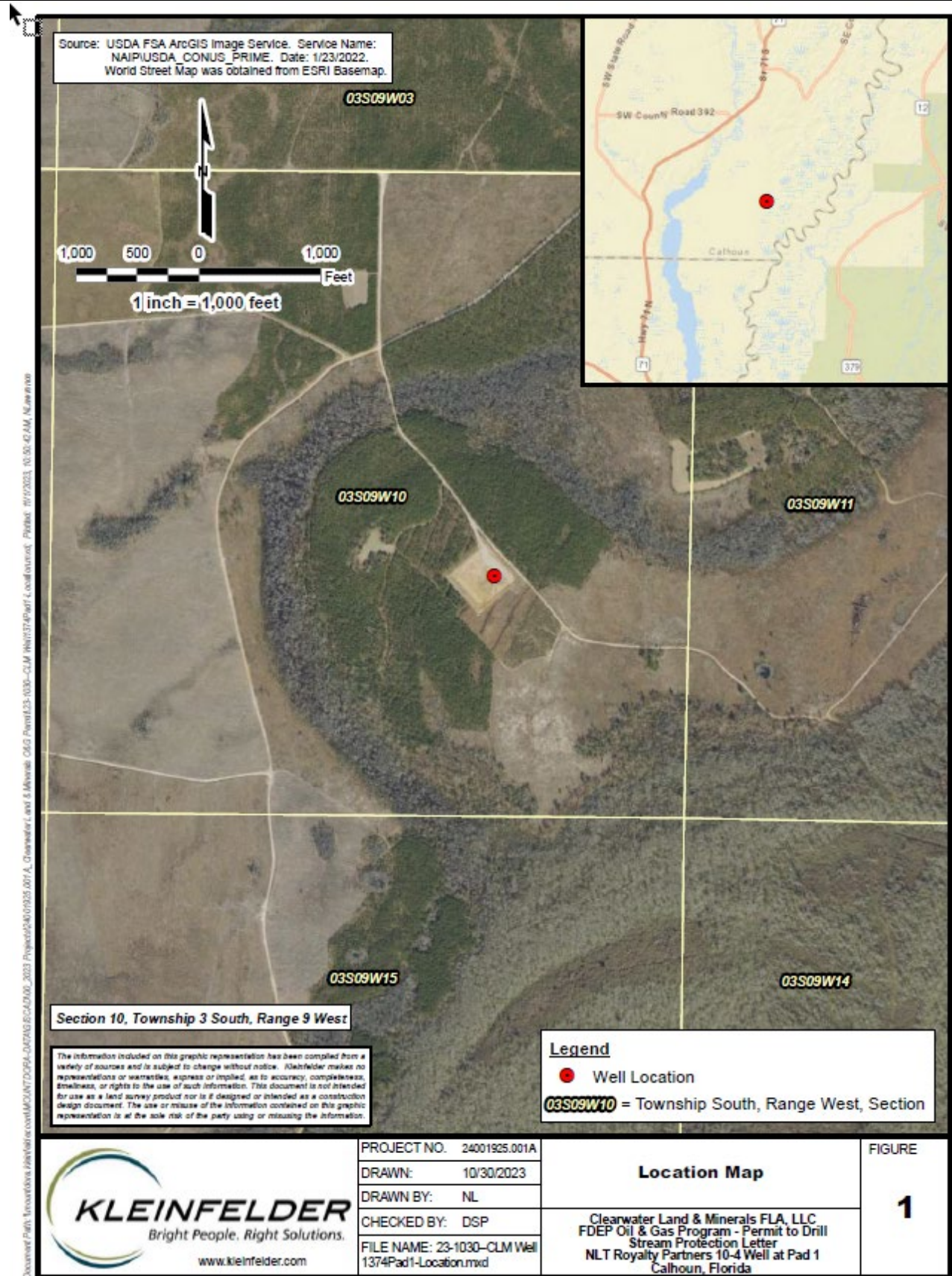


Exhibit 2. Stream Protection Letter (Application Attachment 8)

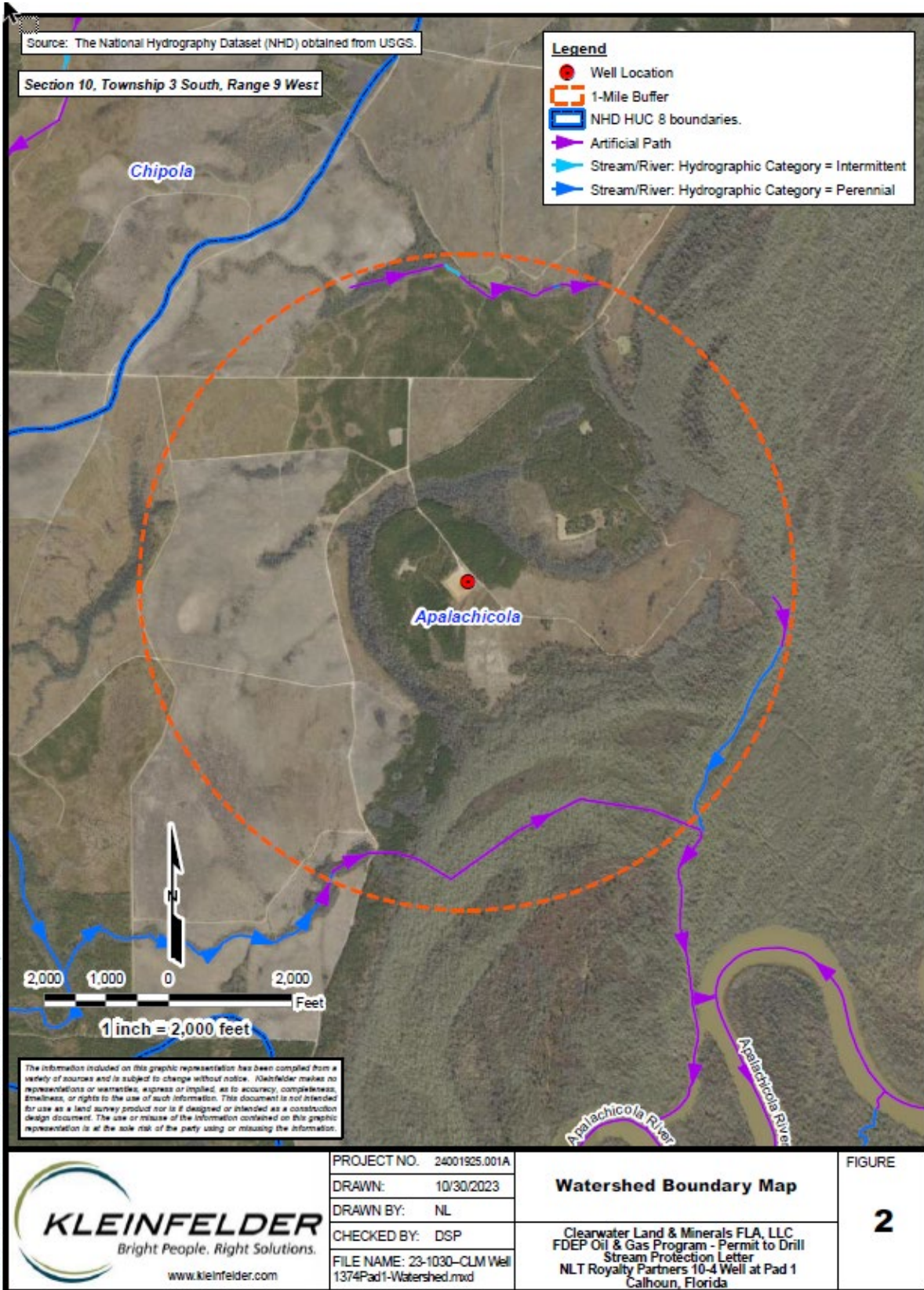


Exhibit 2. Stream Protection Letter (Application Attachment 8)

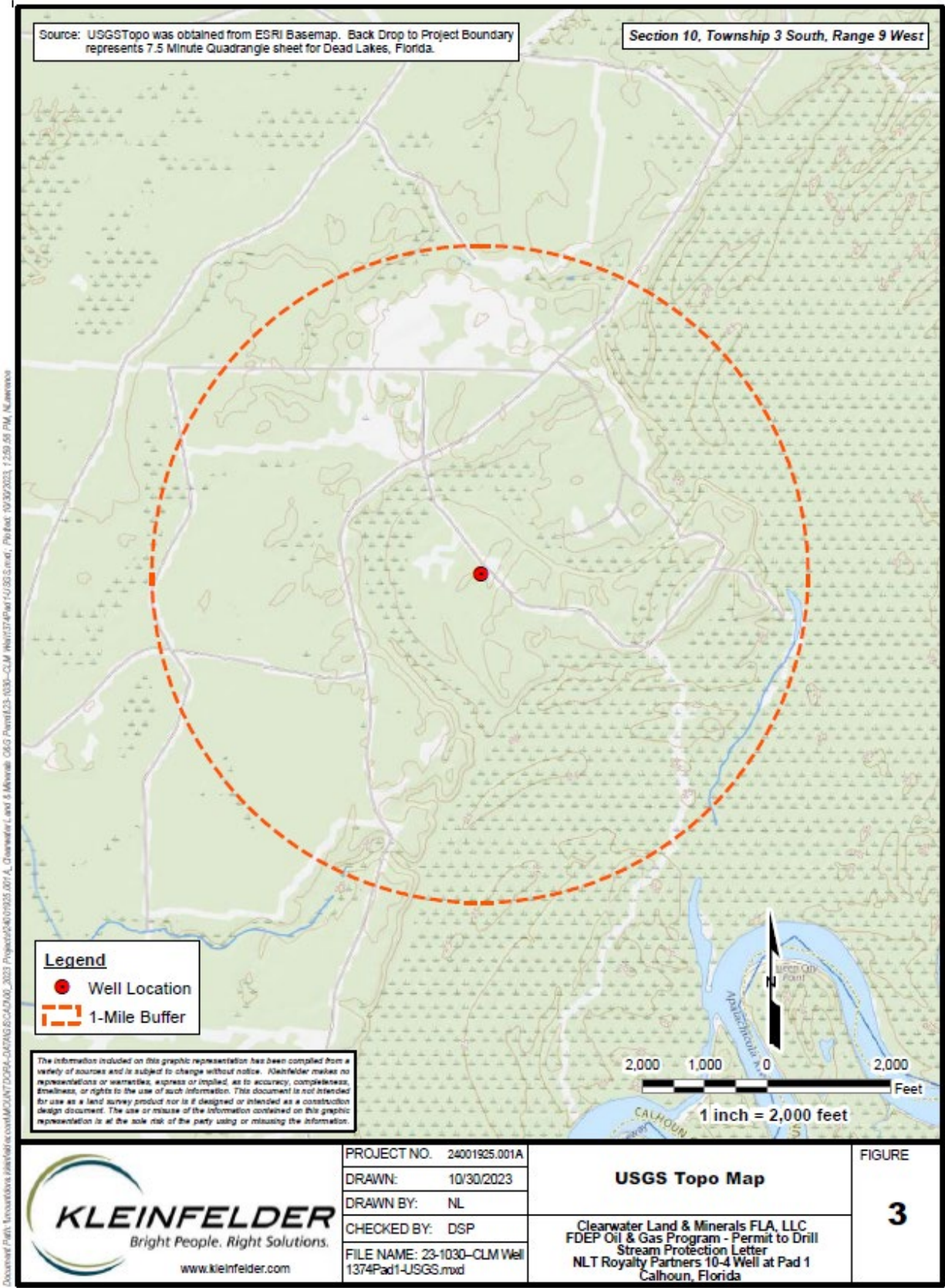
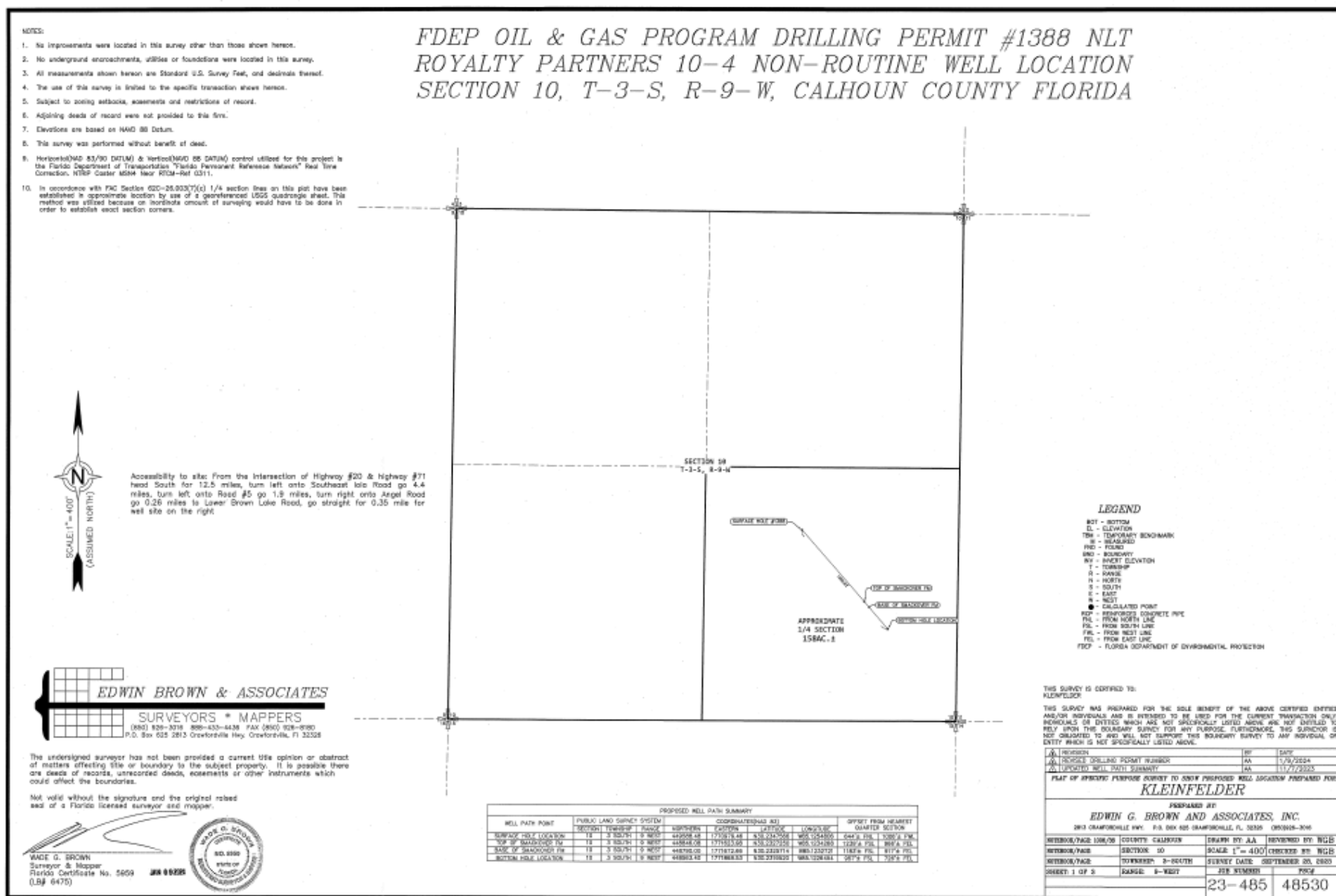


Exhibit 3. Survey Plat - Non-Routine Well Location (Application Attachment 5 rev)



Clearwater Land & Minerals Petroleum, Inc.
Exploratory Well

Draft Drilling Permit No. 1388
LT Royalty Partners Well 10-4

Page 22 of 29

Exhibit 3. Survey Plat - Non-Routine Well Location (Application Attachment 5 rev)

FDEP OIL & GAS PROGRAM DRILLING PERMIT #1388 NLT ROYALTY PARTNERS 10-4 NON-ROUTINE WELL LOCATION SECTION 10, T-3-S, R-9-W, CALHOUN COUNTY FLORIDA

NOTES:

1. No improvements were located in this survey other than those shown herein.
2. No underground encroachments, utilities or foundations were located in this survey.
3. All measurements shown herein are Standard U.S. Survey Feet, and decimals thereof.
4. The use of this survey is limited to the specific transaction shown herein.
5. Subject to zoning setbacks, easements and restrictions of record.
6. Adjoining deeds of record were not provided to this firm.
7. Elevations are based on NAVD 88 Datum.
8. This survey was performed without benefit of deed.
9. Horizontal (NAD 83/90 DATUM) & Vertical (NAVD 88 DATUM) control utilized for this project is the Florida Department of Transportation "Florida Permanent Reference Network" Real Time Correction, NTRP Center 4014 Near RTM-Ref 0311.
10. In accordance with FAC Section 62C-26.00(7)(d) 1/4 section lines on this plat have been established in approximate location by use of a georeferenced USGS quadrigle sheet. This method was utilized because an inordinate amount of surveying would have to be done in order to establish exact section corners.

PROPOSED WELL PATH SUMMARY							
WELL PATH POINT	PUBLIC LAND SURVEY SYSTEM			COORDINATES (NAD 83)			OFFSET FROM NEAREST QUARTER SECTION
	SECTION	TOWNSHIP	RANGE	NOR. 7469N	EASTERN	LATITUDE	
SURFACE HOLE LOCATION	10	3 SOUTH	9 WEST	446558.45	177079.14	N30.231756N	644' A. PSL, 1005' A. FEL
TOP OF SNATCHOWER FW	10	3 SOUTH	9 WEST	445846.08	1771623.08	N30.232725N	1032' A. PSL, 905' A. FEL
BASE OF SNATCHOWER FW	10	3 SOUTH	9 WEST	445790.00	1771624.06	N30.232714N	1187' A. PSL, 917' A. FEL
BOTTOM HOLE LOCATION	10	3 SOUTH	9 WEST	445543.40	1771648.53	N30.230550N	657' A. PSL, 752' A. FEL

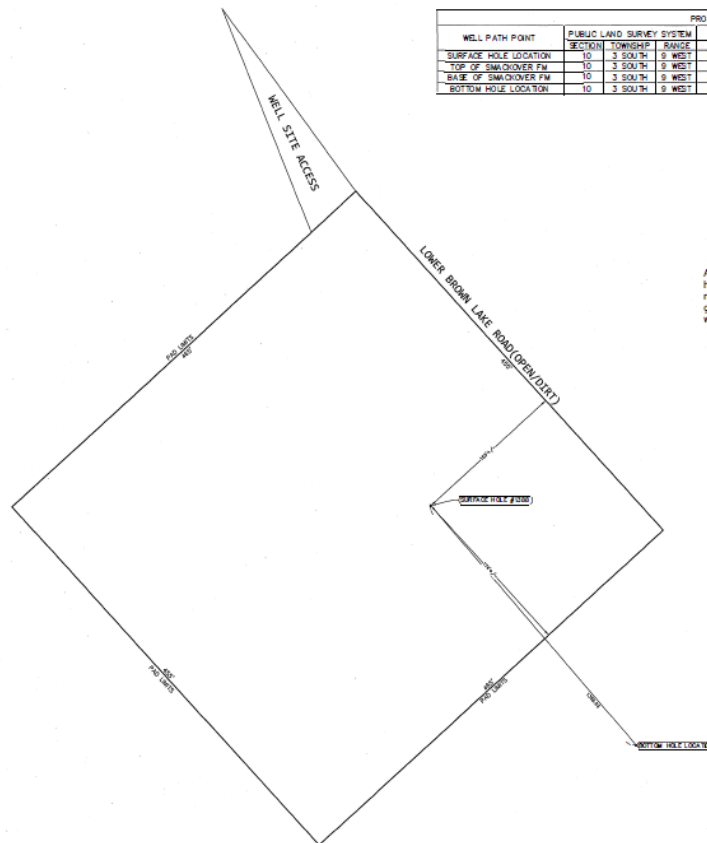


EDWIN BROWN & ASSOCIATES
SURVEYORS * MAPPERS
(850) 926-3016 888-433-4436 FAX (850) 926-6180
P.O. Box 625 2813 Crawfordville Hwy, Crawfordville, FL 32326

The undersigned surveyor has not been provided a current title opinion or abstract of matters affecting title or boundary to the subject property. It is possible there are deeds of records, unrecorded deeds, easements or other instruments which could affect the boundaries.

Not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.

WADE G. BROWN
Surveyor & Mapper
Florida Certificate No. 5959 JAN 09/2006
(LB# 6475)



Accessibility to site: From the intersection of Highway #20 & highway #71 head South for 12.5 miles, turn left onto Southeast 10a Road go 4.4 miles, turn left onto Road #5 go 1.9 miles, turn right onto Angel Road go 0.25 miles to Lower Brown Lake Road, go straight for 0.35 mile for well site on the right

LEGEND

- BOT - BOTTOM
- EL - ELEVATION
- TEM - TEMPORARY BENCHMARK
- MS - MEASURED
- FND - FOUND
- BO - BOUNDARY
- INV - INVERT ELEVATION
- TOWNSHIP
- R - RANGE
- N - NORTH
- S - SOUTH
- E - EAST
- W - WEST
- - CALCULATED POINT
- RC - REINFORCED CONCRETE PIPE
- PNL - FROM NORTH LINE
- PSL - FROM SOUTH LINE
- PWL - FROM WEST LINE
- PXL - FROM EAST LINE
- FDEP - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

THIS SURVEY IS CERTIFIED TO:
KLEINFELDER

THIS SURVEY WAS PREPARED FOR THE SOLE BENEFIT OF THE ABOVE CERTIFIED ENTITIES AND/OR INDIVIDUALS AND IS INTENDED TO BE USED FOR THE CURRENT TRANSACTION ONLY. INDIVIDUALS OR ENTITIES WHICH ARE NOT SPECIFICALLY LISTED ABOVE ARE NOT ENTITLED TO RELY UPON THIS BOUNDARY SURVEY FOR ANY PURPOSE. FURTHERMORE, THIS SURVEYOR IS NOT OBLIGATED TO AND WILL NOT SUPPORT THIS BOUNDARY SURVEY TO ANY INDIVIDUAL OR ENTITY WHICH IS NOT SPECIFICALLY LISTED ABOVE.

REVISION	BY	DATE
(A) REVISED DRILLING PERMIT NUMBER	AA	11/9/2024
(A) UPDATED WELL PATH SUMMARY	AA	11/7/2025
PLAT OF OFFERING PROPOSED SURVEY TO SHOW PROPOSED WELL LOCATION PREPARED FOR		
KLEINFELDER		
PREPARED BY:		
EDWIN G. BROWN AND ASSOCIATES, INC.		
283 CRAWFORDVILLE HWY. P.O. BOX 625 CRAWFORDVILLE, FL 32326 DR5000-3016		
BOOK/PLAT/PAGE	COUNTY	DRAWN BY
SECTION	NO.	SCALE
TOWNSHIP	RANGE	SURVEY DATE
SHEET	NO. OF SHEETS	JOB NUMBER
		23-485
		48530

Exhibit 4. Stormwater Management and Containment Berm Systems

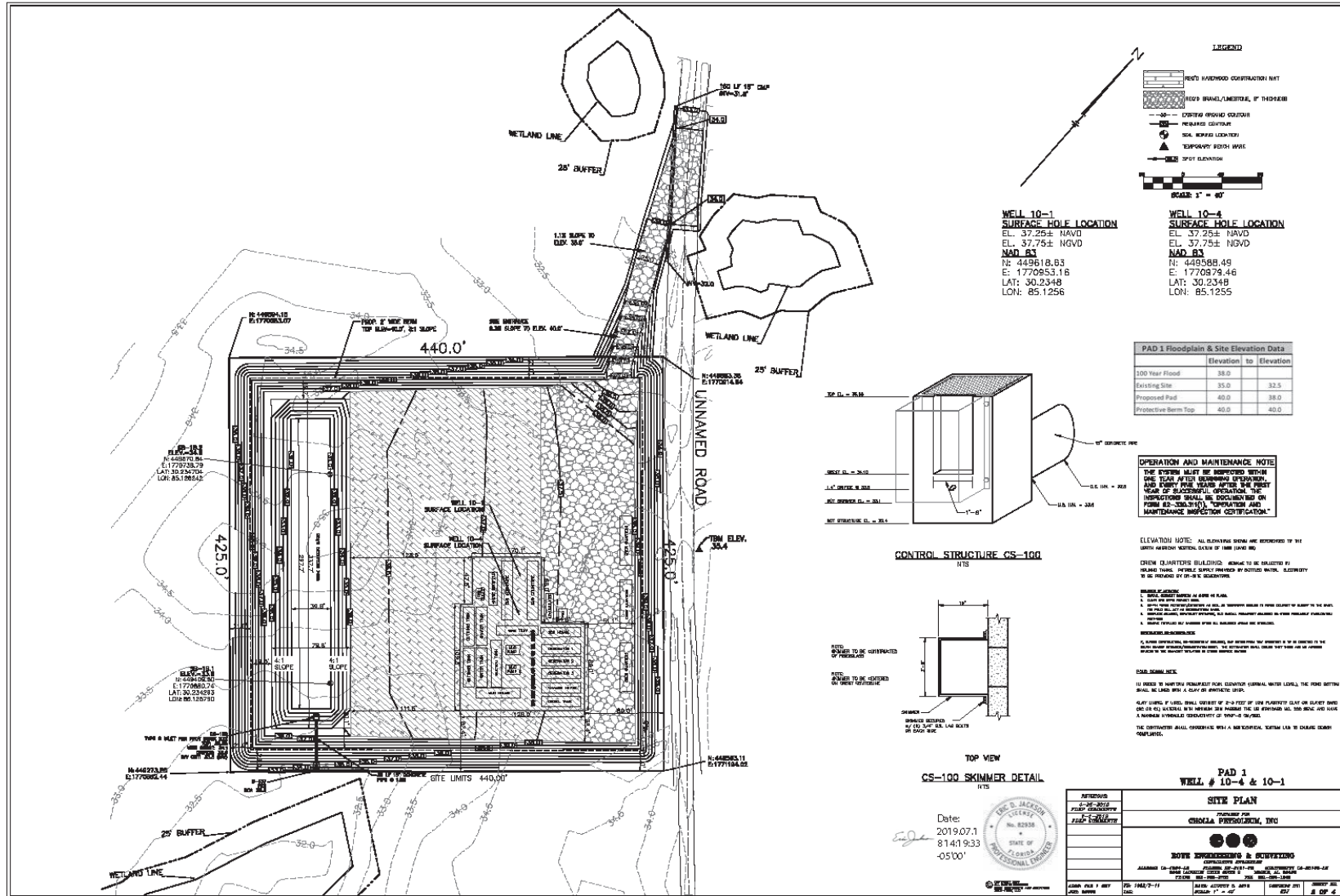


Exhibit 5. Drilling Rig Layout and Secondary Containment – RAPAD Rig 33

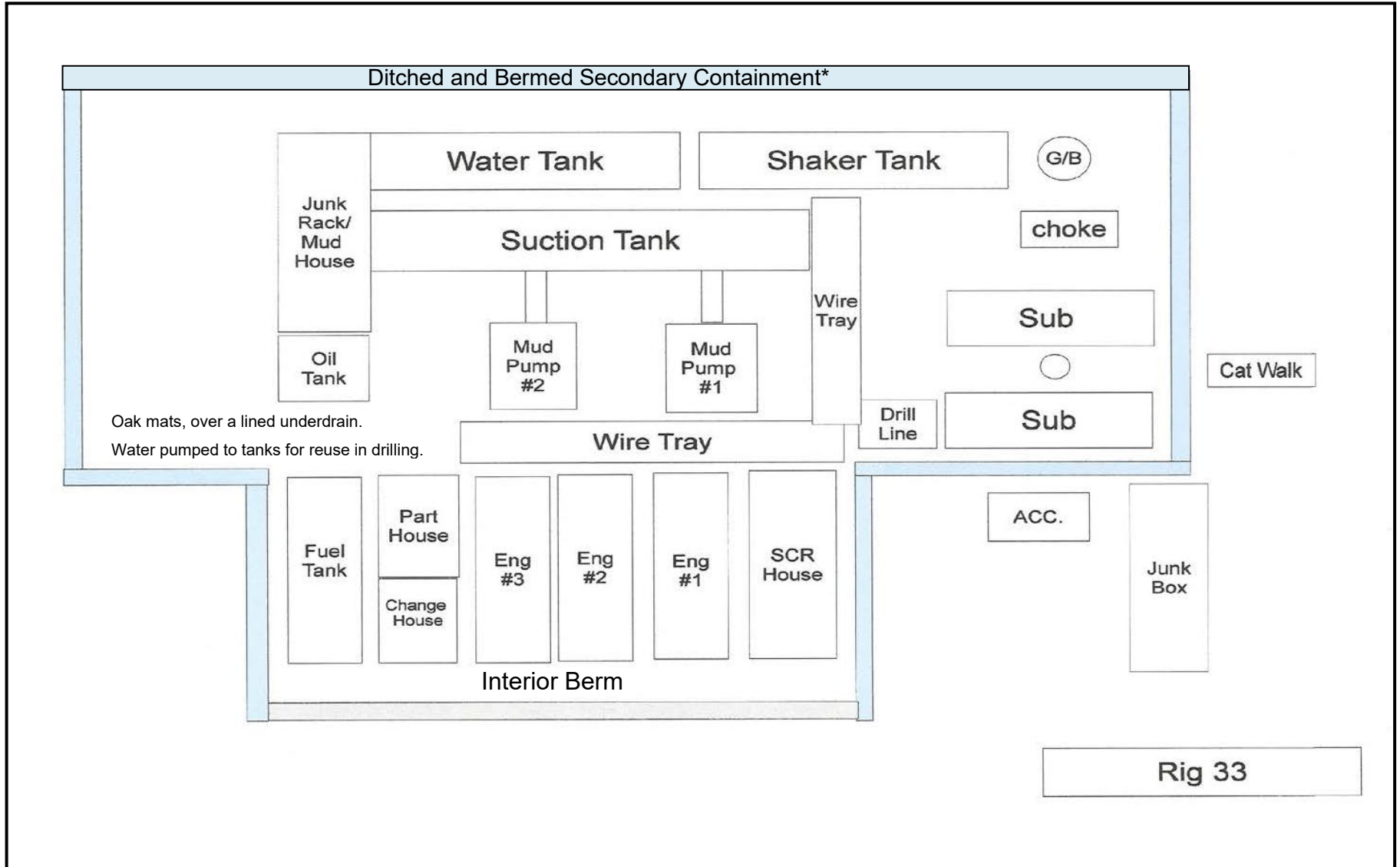


Exhibit 6. NLT Royalty Partners Well 10-4 at Pad 1 – Well Schematic and Cementing Proposal



**Well Schematic
NLT Royalty Partners
10-4 Permit #1388
Sec 10 T3S – R9W
Calhoun County, FL**

GLE 37.25' est
RKB 58.25' est

Prepared:
8/2/2023 A Smith

