

# UIC APPLICATIONS: UIC-14s, UIC-17s, UIC-P&As, UIC-32s, AND UIC-WH1s

*(This outline is provided as a companion to the **UIC Applications** PowerPoint slide presentation.)*

## UIC APPLICATION FORMS

### ACCESSING THE FORMS

(SLIDE NOS. 2-7)

- Go to <http://dnr.louisiana.gov>
- Select the Conservation tab
- Select Forms/Reports/Documents in the left menu
- Click on the Injection and Mining Division tab
- Select the PDF hyperlink or word document for the desired form

## FORM UIC-14: APPLICATION FOR SUBSURFACE DISPOSAL OF RESERVE PIT FLUIDS

### PURPOSE

(SLIDE NO. 9)

To dispose of water based pit fluids through annular injection, open hole disposal, or disposal through perforations

### DISPOSAL METHODS

(SLIDE NOS. 19-21)

### ANNULUS OR OPEN-HOLE

Defined as injection within the interval from the base of the injection casing to the top of cement of the next cemented casing or TD.

## OTHER UIC APPLICATIONS

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- Surface casing must be set at least 200 feet below the base of the USDW and cemented to surface, and must pass the second casing integrity pressure test or Radioactive Tracer Survey (RTS).
- Oil-based fluids are not authorized.

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## DISPOSAL THROUGH PERFORATIONS

Defined as injection within the interval from the uppermost injection perforation to the lowermost injection perforation

- Surface casing must be set at least 200 feet below the base of the USDW and cemented to surface.
- A cement bond log (CBL) must be submitted showing adequate cement isolation above the perforations.
- The casing must be pressure tested before perforating (or with a bridge plug if already perforated).
- An RTS with a time-drive supplement may be run.
- Oil-based fluids are not authorized.

## ATTACHMENTS

(SLIDE NOS. 27-35)

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## \$252 NON-REFUNDABLE APPLICATION FEE

A check may be mailed to the Injection and Mining Division or payment may be remitted online by request. If submitting online payments, an invoice will be generated and faxed to the operator with instructions for submitting payment

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## CERTIFIED WELL LOCATION PLAT

Certified Well Location Plat with Louisiana Lambert X- & Y- coordinates referenced from NAD 1927 and 1983 for the surface hole location

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## SCHEMATIC DIAGRAM OF THE WELL

Must identify:

- Drilled hole diameters, depths, and sizes of all casing strings
- Interval of the disposal zone
- Total depth of the well

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## UIC WORK PERMITTING WORKSHOP

- Depth of the tops of cement for each casing string
  - Depth of the USDW
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**FORM CSG-T****CRITERIA FOR APPROVAL**

- Pressure must be held at 1000 psi or greater for a minimum of 30 minutes and must not drop more than 5%
- Packer must be set within 50 feet of the casing shoe
- Must have been performed within one year of submitting the application

**SUBSTITUTIONS**

- Pressure chart recordings may be submitted if the State Inspector did not witness the required second test
    - Must be properly labeled with:  
Well name, serial number, casing size, packer depth, test date, test start and stop time, and signature
  - An inspector-witnessed RTS with a time drive supplement may be performed in lieu of the second pressure test
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**MORNING REPORTS**

- Indicating that a shoe test was conducted in which the shoe held pressure to an Equivalent Mud Weight (EMW) within 15% of the Eaton 9# curve
  - Indicating when the long string was run
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**AREA OF REVIEW (AOR)**

(SLIDE NO. 36)

- ¼-mile radius search
  - Disposal into hydrocarbon bearing horizons is prohibited
  - All wells must have proof of cement isolation between USDW and top of the injection zone of the subject well
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**PERMIT**

(SLIDE NOS. 40-44)

- Valid for 6 calendar months
  - Issued via email with the following documents:
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## OTHER UIC APPLICATIONS

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- ▶ Form UIC-14B—Daily Waste Disposal Log
  - Record daily injected volume, hourly mud weight, injection pressure, and rate. (must maintain a minimum 9 ppg mud weight)
  - Must indicate if subsequent injection is intended
  - Must be faxed daily
- ▶ Form UIC-14C—Certificate of No Incident
  - Record total amount of fluids injected during disposal and length of disposal period
    - If activity is suspended for a short period of time, the form must still be completed and must indicate that additional fluids will be injected
    - If injection is complete, the form must indicate that fluids will no longer be injected under the approved permit.
  - Must be submitted within seven (7) days of the conclusion of each reserve pit disposal operation

### FORM UIC-17: INJECTION WELL WORK PERMIT

#### PURPOSE

(SLIDE NO. 47)

To perform work activities on a well after the permit-to-inject has been issued which utilizes the use of a rig

#### TYPES OF WORK ACTIVITIES

(SLIDE NO. 48)

- Deepen
- Perforate
- Squeeze
- Plugback
- Pull Tubing and Packer
- Plug and Abandon (P&A)
- Back wash or other well stimulation (Class I wells)
- Pull casing
- Replace wellhead
- Acidize (Class I wells)

## COMPLETING THE FORM: KEYNOTES

(SLIDE NO. 51)

- The description of work must include all work being performed on the well and the current packer depth. If the tubing and packer will be pulled, the depth at which the packer will be reset must be provided.
- A witnessed MIPT must be included in the work activity
- The form must include a signature and date.
- For P&As, a separate sheet may be provided detailing proposed work and this may be noted in the description of work, e.g., “work procedure is attached”

## PLUG AND ABANDON

(SLIDE NOS. 55-57)

- Cement used must be either class A or class H with a minimum slurry weight of 15 ppg
- The number of sacks of cement must be provided for each plug
- There must be a minimum 9 ppg mud or inhibited brine placed between plugs
- Existing perforations must be isolated from one another by a permissible plug and must be pressure tested to a minimum of 300 psi for at least 30 minutes
- There must be cement isolation across the USDW. If a CBL or calculated cement doesn't confirm isolation, then the work must include a plan to perforate and squeeze cement at a depth of 50 ft. below the base of the USDW such that calculated cement comes up to 50 ft. above the base of the USDW for an external plug of at least 100 ft.
  - ▶ Pressure test is not required for the USDW plug but it must be tagged to verify the top of cement
- Land locations must cut all casing strings at least 5 ft. below ground level and leave a surface plug of at least 30 ft. A ½ inch thick steel plate must be welded across all annuli and include well serial number and date
- Water locations must cut all casing strings at least 15 ft. below the mud line and leave a surface plug of at least 100 ft.

## PERMIT

(SLIDE NO. 58)

- 90 day permit will be issued unless remedial action is deemed necessary following a review of the well file. In that case, a 30 day permit will be issued
- Reporting requirements will be included with the permit providing a time table and detailed instructions for submitting follow-up documentation

**FORM UIC-P&A: INJECTION WELL PLUG & ABANDONMENT REPORT**

PURPOSE

(SLIDE NO. 61)

This form is now used in lieu of Form WH1 to document the plugging and abandonment of an injection well. (Temporary abandonment should not be submitted on this form)

COMPLETING & SUBMITTING THE FORM

(SLIDE NOS. 62-65)

- All work and tests performed should be reported
- Should be completed with as much historical and current information as possible
- Must include an original signature from an authorized representative of the operating company
- Must be filed in duplicate in the Injection and Mining Division within 20 days of completion

**FORM UIC-32: APPLICATION TO CHANGE DISPOSAL/INJECTION ZONE**

PURPOSE

(SLIDE NO. 68)

To request approval to perforate outside of the current permitted zone

COMPLETING THE FORM

(SLIDE NOS. 71-76)

- The majority of the data needed to complete the form may be obtained from historical well information and proposed work
- The description of work must include all work to be performed on the well and must include a witnessed MIPT

ATTACHMENTS

(SLIDE NOS. 77-80)

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**\$126 NON-REFUNDABLE APPLICATION FEE**

A check may be mailed to the Injection and Mining Division or payment may be remitted online by request. If submitting online payments, an invoice will be generated and faxed to the operator with instructions for submitting payment

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ELECTRIC LOG

- The serial number must be written on the log
- A complete log must be submitted, from the heading to the depth logged
- Must identify the proposed injection zone and perforated interval

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WELLBORE DIAGRAM

- Should include all of the details provided on the application regarding the proposed injection zone and any proposed work that needs to be performed in order to obtain approval
- A diagram of the current wellbore construction may also be submitted at the operator's discretion

PERMIT

(SLIDE NO. 81)

- Approval to Recomplete will be issued and is valid for 6 calendar months
- Reporting requirements will be included with the permit providing a time table and detailed instructions for submitting follow-up documentation needed in order to receive the permit to inject
  - Once field activities are complete and reporting requirements are met, a final review will be conducted for the permit to inject

**FORM UIC-WH1: INJECTION WELLS WELL HISTORY & WORK RESUME REPORT**

PURPOSE

(SLIDE NO. 84)

To document the drilling and completion of an injection well, the conversion and completion of an existing well to an injection well, recompletion of an existing injection well involving a change of zone, and the completion of a workover procedure of an injection well

COMPLETING & SUBMITTING THE FORM

(SLIDE NOS. 89-104)

- Data will be based on available historical well information and will include any changes that occur during the permitted work
- Data may be verified in Sonris Lite under "Wells by Serial Number"

## OTHER UIC APPLICATIONS

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- The description of work must include all work performed under the approved permit and must include a successful MIPT
- Must include an original signature from an authorized representative of the operator of record
- Must be filed in duplicate in the Injection and Mining Division within 20 days of completion



## Group Activities

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**WHAT IS WRONG WITH THIS AFFIDAVIT?**



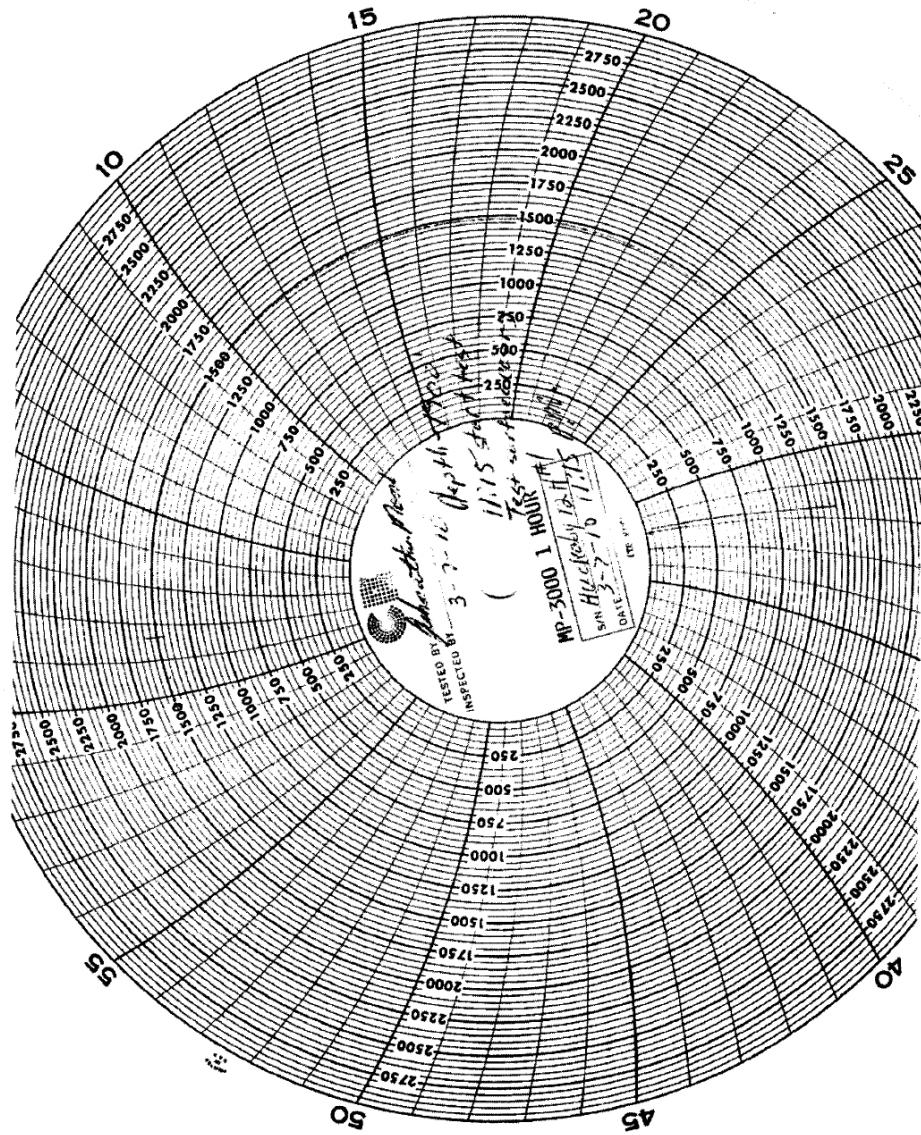
**AFFIDAVIT OF TEST OF CASING IN WELL  
STATE OF LOUISIANA  
OFFICE OF CONSERVATION**

**FORM - CSG T**

DATE WORK DONE: 3/20/2011				DISTRICT OFFICE: Shreveport			
OPERATOR'S NAME AND ADDRESS: XYZ Resources, LLC				OPERATOR CODE: X007			
				PHONE: 555-555-5555			
WELL INFORMATION							
WELL NAME AND NO: KMSL 2 NO. 001				SERIAL NO: 99999			
FIELD: Logansport	PARISH: De Soto	SEC: 34	TWP: 13N	RNG: 16W			
WELL CONSTRUCTION INFORMATION							
CASING SIZE	HOLE SIZE	CASING WEIGHT	MAKE	NUMBER OF THREADS/ INCH	GRADE	SEAMLESS	NEW OR 2ND HAND PIPE
9 5/8	12 1/4	36	GulfCoast	6	J-55	Yes	New
* IF SECOND HAND, WAS PIPE TESTED: <input type="checkbox"/> YES <input type="checkbox"/> NO			DESCRIBE:				
DEPTH CASING SHOE LANDED BELOW DERRICK FLOOR: 1854 FT.				NO. OF SACKS OF CEMENT: 816			
SIZE OF HOLE: 12 1/4				AMOUNT OF CEMENT LEFT IN PIPE: 41 feet			
METHOD OF CEMENTING: Schlumberger		CEMENT SET IN 4 HOURS		UNDER		PSIG	
TOTAL DEPTH OF				TOTAL TIME SET 30 HOURS			
DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG							
DATE OF TEST: 3/22/2011				GAUGE PRESSURE OF CASING 1000 PSIG			
PRESSURE AT END OF 30 MINUTES 975 PSIG				PRESSURE DROP 25 PSIG			
TEST FLUID: <input type="checkbox"/> WATER <input checked="" type="checkbox"/> MUD		WEIGHT: 8.8		VISCOSITY: 32			
REMARKS: Retest 9 5/8 casing. Packer set at 1805' (Test Good) Charted.							
CERTIFICATION BY OPERATOR							
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS FORM AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT (L.R.S. 30:17).							
WITNESS: Doug Hole				OPERATOR REP: Les Gho			
SIGNATURE: Doug Hole				SIGNATURE: Les Gho			

Group Activity #1

WHAT IS MISSING ON THIS PRESSURE CHART RECORDING?



**WHAT VITAL INFORMATION IS MISSING IN THE DESCRIPTION OF WORK?**



**INJECTION WELL WORK PERMIT**  
 Office of Conservation  
 Injection and Mining Division

<b>UIC-17</b>		IMD Injection Well Work Permit No.			
Operator's Name and Address: XYZ Resources LLC 123 Alphabet Street Somewhere, US 00000		Serial No. 99999		Operator Code: X007	
Well Name and Number: KMSL 2 SWD #001		Phone ( 555 )555-5555		Fax ( 555 )555-5550	
Field: TEPETATE	Parish: ACADIA	Sec. 028	Twp. 07S	Rng. 02W	
<b>DESCRIPTION OF WORK</b>					
MIRU. RIH & release ADL-1 pkr. RIH with mule shoe and wash to at least 4110' (slickline tagged sand at 4046' 8/2/10).					
RIH with CIBP for 5-3/4" csg & set at 4100' w/10' cmt on top. RIH with tbg and pkr & set at 3900'. Backwash well. Turn well over to injection.					
Field Contact to Schedule Well Test :		Doug Hole		Phone: 555-555-5551	
Permit Requested By:		Anita Klew		Date 01/01/2024	
Signature: <i>Anita Klew</i>					
Permit Authorized By:		Date			

**INSTRUCTIONS**

A single application will suffice for one, or combinations of, the operations below provided that if more than one operation is requested on one form, such work must be performed consecutively.

1. Plug and Abandon (Provide Well Serial Number)	7. Back Wash or Other Well Stimulation (Class I Wells Only)
2. Deepen	8. Pull Casing
3. Perforate	9. Replace Wellhead
4. Squeeze	10. Acidize (Class I Wells Only)
5. Plugback	11. Other (Any work requiring use of Worker or Rig)
6. Pull Tubing Packer	For Change Zone of Disposal Completion submit Form UIC-32

**Mail all Injection Well Work Permits to:**  
 Department of Natural Resources  
 Office of Conservation  
 Injection and Mining Division  
 P.O. Box 94275  
 Baton Rouge, LA 70804-9275

To perform any of the above work types without first obtaining a work permit is a violation of the law (LAC 43:XIX.105.), which carries with it possible civil and criminal penalties.

**WHAT VITAL INFORMATION IS MISSING IN THE DESCRIPTION OF WORK?**



**INJECTION WELL WORK PERMIT**  
 Office of Conservation  
 Injection and Mining Division

<b>UIC-17</b>		IMD Injection Well Work Permit No.		
Operator's Name and Address: XYZ Resources LLC 123 Alphabet Street Somewhere, US 00000		Serial No. 99999		
		Operator Code: X007		
Well Name and Number: KMSL 2 SWD #001		Phone ( 555 ) 555-5555		
		Fax ( 555 ) 555-5550		
Field: TEPETATE	Parish: ACADIA	Sec. 028	Twp. 07S	Rng. 02W
<b>DESCRIPTION OF WORK</b>				
PULL PACKER AND CHECK TUBING FOR LEAKS. CHANGE PACKER.				
PERFORM MIPT WITNESSED BY CES AGENT.				
Field Contact to Schedule Well Test :		Doug Hole		Phone: 555-555-5551
Permit Requested By:		Anita Klew		Date 01/01/2024
Signature: <i>Anita Klew</i>				
Permit Authorized By:		Date		

**INSTRUCTIONS**

A single application will suffice for one, or combinations of, the operations below provided that if more than one operation is requested on one form, such work must be performed consecutively.

1. Plug and Abandon (Provide Well Schedule)	7. Back Wash or Other Well Stimulation (Class I Wells Only)
2. Deepen	8. Pull Casing
3. Perforate	9. Replace Wellhead
4. Squeeze	10. Acidize (Class I Wells Only)
5. Plugback	11. Other (Any work requiring use of Workover Rig)
6. Pull Tubing Packer	For Change Zone of Disposal Completion submit Form UIC-32

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