DISTRICT OFFICE COPY

Send to: NATURAL GAS & OIL CO., DIVN. OF MISS. RIVER FUEL

PERMIT TO DRILL FOR MINERALS

Baton Rouge, La., Oct. 24, 1955

Parish: PLAQUEMINES
Field: STELLA

Operator: NATURAL-FEAZEL
Address: 215 Richards Building, New Orleans, LA.

Location of Well: North 21 degs. 28' 15" west for 1324.5' from USA Eng.C.LS -483 plus 31.6. Bottom hole loc: deviated hole with Reference to surface loc: South 72 degs. 30' east for 1750', location being in unit 138.

Sec. 2, T. 15S, R. 24E

You are hereby authorized to drill, STATE LEASE #458

Well No. ONE, referred to under application bearing serial No. 58821

dated Oct. 18, 1955, signed by

This well to be drilled to:

OIL OR GAS-10,500 TVD

Drilling Contractor: Shoreline Drlg. Co., New Orleans, LA.

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

Commissioner, Department of Conservation

Chief Engineer, Division of Minerals

Form: MD-13-R

5M Sets 1-55 T.J.M.
**LEASE FACILITY INSPECTION REPORT**

Serial Num 58821  Date October 26, 2007  Operator INACTIVE OPERATOR  Id 9999

<table>
<thead>
<tr>
<th>Lease Name</th>
<th>STATE LEASE 458 # 001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section</td>
<td>002</td>
</tr>
<tr>
<td>Township</td>
<td>15S</td>
</tr>
<tr>
<td>Range</td>
<td>24E</td>
</tr>
<tr>
<td>Parish</td>
<td>PLAQUEMINES</td>
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<td>Field</td>
<td>STELLA Id: 8703</td>
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<td>Address</td>
<td>NO ADDRESS ON RECORD.</td>
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<tr>
<td>Phone</td>
<td></td>
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<tr>
<td>Contact</td>
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**A. INSPECTION REASON**

<table>
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<tr>
<th>Periodic</th>
<th>Complaint #</th>
<th>Order #</th>
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**B. FACILITY TYPE**

<table>
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<tr>
<th>Single Lease</th>
<th>Commingled: N</th>
<th>Permit no.</th>
<th>Oil</th>
<th>Gas</th>
<th>Both</th>
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</thead>
</table>

**C. WELL SITE**

1. **IDENTIFICATION**
   - Deficiency
   - Violations: NO WS ID
   - Well Site Comments: WELL P well P&A d prior to 1986 rule change. Well stub on site

2. **CONDITION**
   - Passed

**D. TANK BATTERY**

1. **IDENTIFICATION**
   - Passed
   - Violations:

2. **CONTAINMENT**
   - Passed
   - Type
   - Reference well:
   - Violations:

3. **BLEEDERS**
   - Exist: N/A
   - Passed
   - Violations:

4. **PIPELINE SALES VALVES**
   - Passed
   - Transport
   - Violations:

5. **B S & W VALVES**
   - Passed
   - Violations:

6. **MECHANICAL ARRANGEMENT**
   - Passed
   - Violations:

7. **STRUCTURAL INTEGRITY OF STORAGE TANKS**
   - Passed
   - Violations:
8. VENTING OF STORAGE TANKS  Passed
   Violations:
   Tank Battery Comments:

E. FIRE HAZARD  Passed
   Violations:
   Fire Comments:

F. DISCHARGE OF E&P  Passed
   Violations:
   Discharge Status:
   Discharge Comments:

G. DISPOSITION OF E&P
   Site Id
   Permit No:

H. EXISTENT PITS  No
   I. NO. OF WELLS ON LEASE  1

REMARKS Well P&A d prior to 1986 rule change. Well stub on site gps n29-48 46.2 w090-00 34.4

THE OPERATOR'S REPRESENTATIVE SHALL SIGN THIS REPORT TO ACKNOWLEDGE RECEIPT OF HIS COPY. YOUR SIGNATURE CANNOT BE CONSTRUED AS AN ADMISSION OF GUILT FOR ANY VIOLATIONS CONTAINED IN THIS REPORT.

No witness  October 26, 2007  IN COMPLIANCE  No  Sealed  N
Operator's Representative

SELMAL OUBRE  October 26, 2007
Conservation Enforcement Agent  Sonris Id: 4392

Latitude (Deg/Min/Sec:)  Longitude (Deg/Min/Sec:)  GPS Position:
Subject: 58821

Photo File Name:
ORPHAN OILFIELD SITE INSPECTION REPORT

SITE INSPECTION

Type of Location: Land

Well shares Production Facility Id with 27

Reference Well for facility: Well Drained All Year

Too Wet to Access In:

Accessibility: Existing Roads

Comments: On the East side of Hwy 23 South out of Belle Chase across from the Navy Air Base --

WATER LOCATIONS

NO waterway Not Submerged

Distance Below Water: 0 feet

WELLHEAD CONDITION

No Well Head/Open Casing

Leaking Oil: 0 bbl/day Leaking Gas: 0 mcf/day Leaking Saltwater: 0 bbl/day

Damage Description:

None No Pumping Unit No Concrete Slab

Pressure on Wellhead: Undetermined Pressure

WELLSITE CONTAMINATION

None Other Contamination: n/a

Contamination Size: None Contamination Severity None

PROPERTY USE

Commercial

Nearby Structures:

Chemical Plant to the south of the csg stub -- Navy Air Base across the Hwy from the well -- A McGowan Working Partners well is about 50' to the north of this well --

Nearest Waterbody:

Mississippi River Distance: < 300 ft

Remarks:

Csg stub has a pump in sub on top of well bore - There are no other equipment on well site - Csg stub only --

Enforcement Agent: MIKE THERIOT Enforcement Agent Date: July 28, 2010
## Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Count</th>
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<tbody>
<tr>
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<tr>
<td>Dehydrators</td>
<td>0</td>
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<td>Heaters</td>
<td>0</td>
</tr>
<tr>
<td>Separators</td>
<td>0</td>
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<tr>
<td>Transfer Pumps</td>
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## Contamination

<table>
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<th>Status</th>
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<tr>
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<td>Debris</td>
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<tr>
<td>Diesel</td>
<td>N</td>
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<tr>
<td>Motor Oil</td>
<td>N</td>
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<td>Oil</td>
<td>N</td>
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<td>Saltwater</td>
<td>N</td>
</tr>
<tr>
<td>Vegetation</td>
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<tr>
<td>Other</td>
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## Tanks

<table>
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<tr>
<th>Material</th>
<th>Casings</th>
<th>Capacity</th>
<th>Upper</th>
<th>Lower</th>
<th>Qty. Stoc</th>
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<td></td>
<td>Set DEPTH</td>
<td>Set DEPTH</td>
<td>of Cement</td>
<td></td>
</tr>
<tr>
<td>Size (Inches)</td>
<td>Material</td>
<td>Weight</td>
<td>Upper Set Depth</td>
<td>Lower Set Depth</td>
<td>Sacks of Cement</td>
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<td>10 3/4</td>
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<td>40.5</td>
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<td>1400</td>
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<td>16 0/0</td>
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## Tubings

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<th>Size (Inches)</th>
<th>Upper Depth</th>
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<tbody>
<tr>
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ORPHAN OILFIELD SITE INSPECTION REPORT

WELL SERIAL NUM 58821 INFRINGEMENT DATE 08/22/2010 OPERATOR NATURAL-FEAZEL N108
WELL NAME STATE LEASE 458 001 - STATUS - 23 LANDOWNER (IF KNOWN)
LOCATION SEC-002 TWP- 15S RGE-24E LANDOWNER ADDRESS
PARISH PLAQUEMINES 38
CITY NEW ORLEANS
FIELD STELLA 8703

SITE INSPECTION

Type of Location: Land Well shares Production Facility Id with 27 Reference Well for facility: Not Drained all year

Too Wet to Access In:

Accessibility: Limited Access
Comments: Well on land

WATER LOCATIONS

NO waterway Not Submerged

Distance Below Water: 0 feet

WELLHEAD CONDITION

Fair

Leaking Oil: 0 bbl/day Leaking Gas: 0 mcf/day Leaking Saltwater: 0 bbl/day

Damage Description: None
No Pumping Unit
No Concrete Slab

Pressure on Wellhead: Undetermined Pressure

WELLSITE CONTAMINATION

None Other Contamination: n/a
Contamination Size: None Contamination Severity None

PROPERTY USE None

Within 1200 Feet Of Residential Or Urban Development

Nearby Structures: Well on land.

Nearest Waterbody: n/a

Remarks: Well on land.

Enforcement Agent: LARRY LOVAS Enforcement Agent Date: August 22, 2010

Enforcement Agent Date: August 22, 2010
ORPHAN OILFIELD SITE INSPECTION REPORT

EQUIPMENT

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Quantity</th>
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<tr>
<td>COMPRESSORS</td>
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<tr>
<td>DEHYDRATORS</td>
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</tr>
<tr>
<td>SEPARATORS</td>
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</tr>
<tr>
<td>TRANSFER PUMPS</td>
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<tr>
<td>HEATERS</td>
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CONTAMINATION

<table>
<thead>
<tr>
<th>Contaminant Type</th>
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<tr>
<td>CONCRETE SLAB</td>
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<tr>
<td>DEBRIS</td>
<td>N</td>
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<tr>
<td>DIESEL</td>
<td>N</td>
</tr>
<tr>
<td>MOTOR OIL</td>
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<td>OIL</td>
<td>N</td>
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<tr>
<td>SALTWATER</td>
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<td>VEGETATION</td>
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<td>OTHER</td>
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TANKS

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<tr>
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<tr>
<td>CASINGS</td>
<td>Wellbore Size</td>
<td>Weight</td>
<td>Upper Set Depth</td>
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TUBINGS

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<th>Upper Depth</th>
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NAVIGATION AID

<table>
<thead>
<tr>
<th>Present</th>
<th>Water Depth(ft)</th>
<th>Status</th>
<th>Condition</th>
<th>Proposal</th>
<th>Site Rank</th>
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<tbody>
<tr>
<td>No</td>
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<td>NA</td>
<td>NA</td>
<td>Proposal</td>
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</tbody>
</table>

Comments

Well on land. No equipment required, pricing is for well visit only, if required. Reflective tape may be used to mark wells on land. 260.00 for 4 hours @ 65.00/hr. Total 315.83
ORPHAN OILFIELD SITE INSPECTION REPORT

WELL SERIAL NUM: 58821  INSPECTION DATE: 05/19/2015  OPERATOR: NATURAL-FEAZEL  N108

WELL NAME: STATE LEASE 458 001  - STATUS: 23  LANDOWNER (IF KNOWN)

LOCATION: SEC-002  TWP: 15S  RGE-24E  LANDOWNER ADDRESS

PARISH: PLAQUEMINES  38  CITY: NEW ORLEANS

FIELD: STELLA  8703  LANDOWNER PHONE

SITE INSPECTION

Type of Location: Land  Well shares Production Facility Id with 27  Reference Well for facility: Not Drained all year

Too Wet to Access In:

Accessibility: Existing Roads  Comments: None

WATER LOCATIONS

Distance Below Water: 0 feet  NO waterway  Not Submerged

Distance:

WELLHEAD CONDITION

Leaking Oil: 0 bbl/day  Leaking Gas: 0 mcf/day  Leaking Saltwater: 0 bbl/day

Damage Description: None  No Pumping Unit  No Concrete Slab

Pressure on Wellhead: Undetermined Pressure

WELLSITE CONTAMINATION

Contamination Size: None  Other Contamination: n/a  Contamination Severity: None

PROPERTY USE

None

Nearby Structures:

(Comments:)

None

Nearest Waterbody:

n/a

Remarks:

None

Enforcement Agent: CHARLES CLOUTIER  Enforcement Agent Date: May 19, 2015
EQUIPMENT

COMPRESSORS 0  DEHYDRATORS 0  HEATERS 0
SEPARATORS 0  TRANSFER PUMPS 0

CONTAMINATION

CONCRETE SLAB N  DEBRIS N  DIESEL N  MOTOR OIL N  OIL N  SALTWATER N  VEGETATION N

OTHER  None

TANKS

<table>
<thead>
<tr>
<th>Tank ID</th>
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NAVIGATION AID

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<th>Present Water Depth(ft)</th>
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<th>Proposal</th>
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<tbody>
<tr>
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</tbody>
</table>

Comments
ORPHAN OILFIELD SITE INSPECTION REPORT

LATITUDE: 29° 48' 46.5"    LONGITUDE: 90° 0' 34.8"

GPS Coordinates Available

Type of Location: Land

Well shares Production Facility Id with 27

Reference Well for facility:

Well Drained All Year

AccessIBILITY:

Existing Roads

Comments:

None

WATER LOCATIONS

NO waterway

Not Submerged

Distance Below Water: 0 feet

WELLHEAD CONDITION

Leaking Oil: 0 bbl/day

Leaking Gas: 0 mcf/day

Leaking Saltwater: 0 bbl/day

Damage Description:

No wellhead present. Photo.

No Pumping Unit

No Concrete Slab

Pressure on Wellhead:

Undetermined Pressure

WELLSITE CONTAMINATION

Contamination Size: None

Other Contamination: n/a

Contamination Severity: None

PROPERTY USE

None

Nearby Structures:

None

(Comments:)

Nearest Waterbody:

n/a

Distance:

Remarks:

None

Enforcement Agent: CHARLES CLOUTIER

Enforcement Agent Date: April 18, 2016
ORPHAN OILFIELD SITE INSPECTION REPORT

EQUIPMENT

COMPRESSORS 0
DEHYDRATORS 0
SEPARATORS 0
TRANSFER PUMPS 0
HEATERS 0

CONTAMINATION

CONCRETE SLAB N
DEBRIS N
DIESEL N
MOTOR OIL N
OIL N
SALTWATER N
VEGETATION N
OTHER None

TANKS

<table>
<thead>
<tr>
<th>Tank ID</th>
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<th>Size (inches)</th>
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<tr>
<td>No</td>
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</table>
## ORPHAN OILFIELD SITE INSPECTION REPORT

**WELL SERIAL NUM**: 58821  **INSPECTION DATE**: 05/23/2017  **OPERATOR**: NATURAL-FEAZEL  **LANDOWNER (IF KNOWN)**: N108

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>PARISH</th>
<th>CITY</th>
<th>FIELD</th>
<th>WELL SERIAL NUM</th>
<th>STATE LEASE 458 001 - STATUS - 23</th>
<th>LATITUDE: 29 48 46</th>
<th>LONGITUDE: 90 0 34</th>
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<tbody>
<tr>
<td>SEC-002</td>
<td>PLAQUEMINES</td>
<td>NEW ORLEANS</td>
<td>STELLA</td>
<td>58821</td>
<td>58821</td>
<td>29 48 46</td>
<td>90 0 34</td>
</tr>
</tbody>
</table>

### SITE INSPECTION

- **Type of Location**: Land
- **Accessibility**: Not Drained all year
- **Comments**: Existing Roads.
- **Nearest Waterbody**: n/a
- **Remarks**: None

- **Well shares Production Facility Id with**: 27
- **Reference Well for facility**: 27

### WATER LOCATIONS

- **Distance Below Water**: 0 feet
- **Exisiting Roads**
- **Comments**: next to Hwy 23, in McGowan field

### WELLHEAD CONDITION

- **Leaking Oil**: 0 bbl/day
- **Leaking Gas**: 0 mcf/day
- **Leaking Saltwater**: 0 bbl/day
- **Damage Description**: None
- **Pressure on Wellhead**: Undetermined Pressure

### WELLSITE CONTAMINATION

- **Contamination Size**: None
- **Other Contamination**: n/a
- **Contamination Severity**: None

### PROPERTY USE

- **None**

### Enforcement

- **Enforcement Agent**: CHARLES CLOUTIER
- **Enforcement Agent Date**: May 23, 2017
### Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Compressors</td>
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<td>Dehydrators</td>
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<tr>
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<td>0</td>
</tr>
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<td>Transfer Pumps</td>
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### Contamination

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<td>Vegetation</td>
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### Tanks

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<tr>
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<th>Material</th>
<th>Capacity</th>
<th>Wellbore Size</th>
<th>Weight</th>
<th>Upper Set Depth</th>
<th>Lower Set Depth</th>
<th>Qty. Stock</th>
<th>Condition</th>
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<td>Wellbore Size</td>
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<td>Upper Set Depth</td>
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### Tubings

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### Navigation Aid

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STATE OF LOUISIANA
OFFICE OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS

58821 SERIAL NO. DATE 02/15/2018 EFFECTIVE 02/01/2018

CURRENT CODES  LAFAYETTE DISTRICT

38 PARISH PLAQUEMINES
8703 FIELD STELLA
C5143 OPERATOR CRESCENT ENERGY SERVICES, LLC
00 PRODUCT 1304 ENGINEERS
BELLE CHASSE, LA 70037-

WELL NAME STATE LEASE 458
LOCATION OF WELL SEC 002 T 15S R 24E M
FORMER OPERATOR: N108 NATURAL- FEAZEL
FORMER STATUS: 23 - 01/20/2008

APPLICABLE OFFICE OF CONSERVATION ORDERS:
RICHARD P. IEOUB

COMMISSIONER OF CONSERVATION

JEFF WELLS
ISSUING AUTHORITY

WELL FILE
LOUISIANA OFFICE OF CONSERVATION FORM MD-10-R-AO
APPLICATION TO AMEND PERMITS TO DRILL MINERAL OR INJECTION WELLS
OPTIONAL APPLICATION TO AMEND OPERATOR
TYPE ONLY - FILE IN DUPLICATE

NEW OPERATOR
EFFECTIVE DATE OF CHANGE: February 1, 2018
FIELD: Stella Field
NEW OPERATOR NAME: Crescent Energy Services, LLC
ADDRESS: 1304 Engineers Road, Belle Chasse, LA 70037
SIGNATURE OF REPRESENTATIVE:
DATE: January 24, 2018
TYPED NAME: Thomas C. Jahncke
PHONE NO.: 504-433-4188

FORMER OPERATOR
FORMER OPER. NAME: Natural-Feazel
SIGNATURE OF REPRESENTATIVE:
DATE:
TYPED NAME: This is an Orphaned Well
PHONE NO.: 

SUMMARY OF WELLS INCLUDED IN APPLICATION
TOTAL EXEMPT (ORPHAN, STATUS 22, ETC): 1
TOTAL REDUCED (INCAPABLE GAS, STRIPPER OIL): X $ 50 FEE = $0
TOTAL NON-EXEMPT (OIL, GAS, SWD, OTHER): X $ 128 FEE = $0
CHECK NO.: N/A
CHECK AMOUNT: N/A
WELL NAME/NUMBER CHANGE REQUESTED: NO YES (IDENTIFY WITH *)

WELL LISTING
<table>
<thead>
<tr>
<th>SERIAL NO.</th>
<th>TYPE</th>
<th>WELL NAME</th>
<th>WELL NO.</th>
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<td>State Lease 458, Well No. 1</td>
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</table>

NUMBER OF SUPPLEMENTAL PAGES ATTACHED: 0

DISTRICT APPROVAL:
ISSUED BY:
DATE: 2/17/2018
DATE: 2/13/2018
February 7, 2018

Office of Conservation
ATTN: Permit Section
PO Box 94275
Baton Rouge, LA 70804-9275

Dear Mr. Wells:

Enclosed herewith please find application for permit to amend the operator from Natural-Feazel (N108) to CRESCENT ENERGY SERVICES, LLC (C5143) on their STATE LEASE 458 #001, Serial Number 058821, STELLA (8703) Field, PLAQUEMINES (038) Parish, Louisiana.

☐ PAYMENT RECEIVED: INVOICE NO: 0

2/1/18 The effective date of this change.
☐ The product of this well.
☐ Voluntary Unit Affidavit and Plat attached.
☐ A copy of location plat is attached.
☐ Attachment for Mr. Wells.
☒ No fee required for this change.
☒ FORM(S) SOCI ENCLOSED 1 PAGES
☒ Applicable Office of Conservation Order No. 298

Note: No fee is required, this is an Orphan well. Enclosed Orphan Well Affidavit. Emailed operator code for Crescent Energy Services, LLC (C5143) which was written on the application.

Yours very truly,

PATRICK MOLBERT
LAFAYETTE DISTRICT MANAGER

PM: sbt

Encls.
ORPHAN WELL AFFIDAVIT

STATE OF LOUISIANA

PARISH OF Plaquemines

BEFORE ME, the undersigned authority, dully commissioned and qualified within and for the State and Parish aforesaid, personally came and appeared Thomas J. Harder, who being first duly sworn, deposed and said:

That he/she is authorized and qualified to attest to the following statements on behalf of Applicant, Crescent Energy Services LLC:

1. Applicant has filed application(s) to become Operator of Record for the following well(s):

<table>
<thead>
<tr>
<th>Well Name &amp; No.</th>
<th>Serial No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Line 438 &amp; No. 1</td>
<td>058821</td>
</tr>
</tbody>
</table>

2. Applicant has authority by virtue of a lease or other agreement with the well site mineral owner and a surface owner (if subsurface disposal wells are located thereon), to conduct oil and gas operations/subsurface injection on the premises. Such document is effective February 1, 2013, has been filed of record with the Clerk of Court in Plaquemines Parish, Louisiana, and is currently in effect.

That Applicant is assuming full responsibility and liability for the aforesaid well(s); that Applicant will operate the well(s) in accordance with the rules and regulations of the State of Louisiana, Department of Natural Resources, Office of Conservation; and that Applicant will, when the well(s) has no further use, plug and abandon the aforesaid well(s) in accordance with Statewide Order No. 29-B, Section XIX or successor regulation.

SIGNED:

[Signature]

SWORN TO AND SUBSCRIBED before me, the undersigned authority, this 26th day of January, 2018 at Plaquemines, Louisiana.

[Signature]

NOTARY PUBLIC

JOHN E. PIVACH
NOTARY PUBLIC
BAR NO. 35283
PARISH OF Plaquemines, STATE OF LA
MY COMMISSION IS ISSUED FOR LIFE

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JAN 30 2018
OFFICE OF CONSERVATION
LAFAYETTE DISTRICT
# LOUISIANA OFFICE OF CONSERVATION FORM SOCI
## SURFACE OWNER CONTACT INFORMATION

**NEW OPERATOR**

**EFFECTIVE DATE OF OPERATOR CHANGE AMENDMENT:** February 1, 2018

**FIELD:** Stella Field  
**CODE NO:** 8703

**OPERATOR:** Crescent Energy Services, LLC  
**CODE NO:**

**ADDRESS:** 1304 Engineers Road, Belle Chasse, LA 70037

**SIGNATURE OF REPRESENTATIVE.**

**DATE:** 01/26/18  
**PHONE NO:** 504-433-4188

**TYPED NAME:** Thomas C. Jahncke

**EMAIL:** tjahncke@crescentes.com

### SURFACE OWNER *

**NAME:** Hero Lands Company, represented by Allen Hero

**ADDRESS:** 428 Planters Row, Belle Chasse, LA 70037

**PHONE NO:** 504-394-5188

### WELL LISTING

<table>
<thead>
<tr>
<th>SERIAL NO.</th>
<th>WELL NAME &amp; NUMBER</th>
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<td>058821 State Lease 458, Well No. 1</td>
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</table>

**RECEIVED**

JAN 30 2018

OFFICE OF CONSERVATION
LAFAYETTE DISTRICT

**NUMBER OF SUPPLEMENTAL PAGES ATTACHED:** 0

*Surface Owner: The person shown in the assessor’s rolls of the parish as the current owner of the surface rights of the land on which the well site is located. Form SOCI is required on ALL operator changes filed on/after 8/1/2016. One form with supplemental pages (if necessary) per Surface Owner. This form, submitted in conjunction with operator change amendments, satisfies the requirements of Act 342 of the 2016 Regular Session.*
January 24, 2018

Mr. Pat Molbert
Engineering Division-Lafayette Division
DNR-Office of Conservation
825 Kaliste Saloom Road
Brandywine 3, Suite 220
Lafayette, LA 70508

RE: Request Permission to Take over an Orphan Well
State Lease 458, Well No. 1
SN 058821
Stella Field

Dear Pat:

Crescent Energy Services, LLC (CES) is requesting permission to take over the captioned, orphaned well for use in the training of a number of its employees. Specifically, the well be used to instruct company personnel in well logging operations.

Sonris well records indicate that the well presently has several cement plugs in it already; the shallowest being from 2,581'-2,546'. If granted permission, CES would initially place a CIBP in the 10 ¾", at 2,545' before conducting any training operations.

Attached is a copy of an executed agreement between CES and surface owner, Hero Lands Company, allowing CES access to the surface and the well location. The term of the agreement is for one year, with options to renew. CES has agreed with the surface owner, and will agree with the State, to P&A the well upon completion of the training exercises.

Also attached is a copy of email correspondence with Cassandra Parker in which she initially thought that a “Cooperative Agreement” between the State and CES would suffice to allow CES the requested access. However, per the attached, this possibility was rejected by her in house attorney and our completion of the also attached Form MD-10-R-AO was suggested, and then directed to your attention.

CES would appreciate your review of the enclosed attachments and provide comment on how it can move forward with its proposal to the State.

Sincerely,

[Signature]

Thomas C. Jahncke
Agreement to Access and Utilize Oil or Gas Well on Private Property

Hero Lands Company LLC (Hero Lands), represented by Allen Hero whose mailing address 428 Planters Canal Road, Belle Chasse, LA 70037 and Crescent Energy Services, LLC whose address is 1304 Engineers Road, Belle Chasse, LA 70037(Crescent), represented by Thomas C. Jahncke are in mutual agreement as follows:

To allow Crescent to have access to the parcel of land located at the municipal address of 10081 Highway 23, Belle Chasse, LA 70037, measuring one hundred (100') feet by one hundred (100') feet adjacent to , and utilize a former oil and/or gas well identified as State Lease 458, Well No. 1, Serial Number 58821 (well), which has been abandoned by its operator and considered “orphaned” by the Office of Conservation, State of Louisiana (OOC).

Crescent intends to utilize the abandoned well to instruct its personnel to conduct wireline logging operations and coil tubing operations only, consisting of the lowering of specialized tools into the well bore to record geologic data and the lowering of a 1.25” coil to a depth of not greater than 2,600’. No other downhole activities will be conducted.

Prior to any activity on the above described land:
- Crescent will provide Hero Lands with evidence of the approval of OOC for the activity described above.
- Crescent will provide Hero Lands with a Certificate in favor of Hero Lands, providing liability coverage in the amount of not less than one million ($1,000,000.00) dollars
- Crescent and Hero Lands will mutually agree as to the route across the above described land that Crescent personnel will utilize to access the well.
- Crescent has inspected the premises and expressly accepts the premises in their present condition and assumes full responsibility and further acts as its custodian and keep it in a safe condition. Crescent hereby agrees to hold harmless, Hero Lands, from any and all claims for personal injury, bodily injury or death of any employee or agent of Crescent, relating to activities on the above described land.

During the term of this agreement, Crescent shall be allowed to:
- Excavate an approximate six feet in diameter and to a depth of not greater than 4’ hole around the well in order to safely place well control valves.
- Place certain equipment items near the well including a Double Drum E/L Unit, E/L Toolbox, RoughRider 10,000 PSI Pump, Power Pack, portable “A” frame, and a coil tubing unit.

This agreement shall remain in place for a period of not to exceed twelve months from the date of agreement execution for a rental of three hundred ($300.00) dollars, unless an extension is mutually agreed to.

Normally Occurring Radioactive Material (NORM). Crescent has no knowledge of the existence of NORM on any part of the land described above. However, inasmuch as Crescent will not be conducting activities with pipe or other material that might contain NORM, it shall not be

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JAN 25 2018
OFFICE OF CONSERVATION
LAFAYETTE DISTRICT
responsible for any damages concerning the existence of NORM either during the term of this agreement, or upon its expiry.

In exchange of all of the above, Crescent, upon completion of the twelve month term, shall plug and abandon the well in accordance with the rules and regulations of the OOC. Additionally, Crescent shall restore the surface of the property identified above to its original condition.

Agreed to and accepted this 18 day of January 2018, but with an effective date of February 1, 2018:

Hero Lands Company LLC

By: [Signature]
Allen Hero

Crescent Energy Services, LLC

By: [Signature]
Thomas C. Jahncke

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JAN 25 2018
OFFICE OF CONSERVATION
LAFAYETTE DISTRICT
### ORPHAN OILFIELD SITE INSPECTION REPORT

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<th>58821</th>
<th>INSPECTION DATE</th>
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<th>OPERATOR</th>
<th>CRESCENT ENERGY SERVICES, LLC C5143</th>
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<td>WELL NAME</td>
<td>STATE LEASE 458 001</td>
<td>STATUS - 17</td>
<td>LANDOWNER (IF KNOWN)</td>
<td>CRESCENT ENERGY SERVICES, LLC C5143</td>
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<tr>
<td>LOCATION</td>
<td>SEC-002</td>
<td>TWP- 15S</td>
<td>RGE-24E</td>
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<td>CRESCENT ENERGY SERVICES, LLC C5143</td>
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<td>PLAQUEMINES</td>
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<td>CRESCENT ENERGY SERVICES, LLC C5143</td>
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<tr>
<td>CITY</td>
<td>BELLE CHASSE</td>
<td>8703</td>
<td></td>
<td>LANDOWNER ADDRESS</td>
<td>CRESCENT ENERGY SERVICES, LLC C5143</td>
</tr>
</tbody>
</table>

### SITE INSPECTION
- **Type of Location:** Land
- **GPS Coordinates Available:** Yes
- **Latitude:** 29° 48' 46.4"
- **Longitude:** 90° 0' 34.7"
- **Distance Below Water:** 0 feet
- **WELLHEAD CONDITION**
  - **Leaking Oil:** 0 bbl/day
  - **Leaking Gas:** 0 mcf/day
  - **Leaking Saltwater:** 0 bbl/day
  - **Damage Description:** None
    - No Pumping Unit
    - No Concrete Slab
  - **Pressure on Wellhead:** Undetermined Pressure
- **WELLSITE CONTAMINATION**
  - **Contamination Size:** None
  - **Contamination Severity:** None
- **PROPERTY USE:** None
- **Nearby Structures:** None
- **Nearest Waterbody:** n/a
- **Remarks:** None

**Enforcement Agent:** CHARLES CLOUTIER  
**Enforcement Agent Date:** February 28, 2018

**Reference Well for facility:**
- **Well shares Production Facility Id with:** 27
- **Not Drained all year**
**EQUIPMENT**

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**CONTAMINATION**

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<td>Vegetation</td>
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**TANKS**

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**TUBINGS**

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**NAVIGATION AID**

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<th>Condition</th>
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<th>Site Rank</th>
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# Lease Facility Inspection Report

**Serial Num**: 58821  
**Date**: September 27, 2018  
**Operator**: Crescent Energy Services, Llc  
**Id**: C5143

<table>
<thead>
<tr>
<th>Lease Name</th>
<th>STATE LEASE 458 # 001</th>
<th>Address</th>
<th>1304 Engineers Road</th>
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<tr>
<td>Section</td>
<td>002</td>
<td>Township: 15S</td>
<td>Range: 24E</td>
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<tr>
<td>Parish</td>
<td>PLAQUEMINES</td>
<td>Phone</td>
<td>Stella</td>
</tr>
<tr>
<td>Field</td>
<td>Stella</td>
<td>Id: 8703</td>
<td>Contact Paul Mckim</td>
</tr>
</tbody>
</table>

## A. INSPECTION REASON

- **Periodic**: 
- **Complaint #:**  
- **Order #:**

## B. FACILITY TYPE

- **Commingled**: N  
- **Permit no.**  
- **Oil**: N  
- **Gas**: N  
- **Both**: N

## C. WELL SITE

1. **IDENTIFICATION**: Passed  
   - **Violation(s):**  
   - **Debris At Ws**  
   - **Well Site Comments:** Well has plugged, but casing stub remains. See photo.

2. **CONDITION**: Deficiency

## D. TANK BATTERY

1. **IDENTIFICATION**: Passed  
   - **Violation(s):**

2. **CONTAINMENT**: Passed  
   - **Type**: Reference well
   - **Violation(s):**

3. **BLEEDERS**: Exist: N/A  
   - **Passed**  
   - **Violation(s):**

4. **PIPELINE SALES VALVES**: Passed  
   - **Transporter**:  
   - **Violation(s):**

5. **B S & W VALVES**: Passed  
   - **Violation(s):**

6. **MECHANICAL ARRANGEMENT**: Passed  
   - **Violation(s):**

7. **STRUCTURAL INTEGRITY OF STORAGE TANKS**: Passed  
   - **Violation(s):**
8. VENTING OF STORAGE TANKS  Passed

Violation(s):

Tank Battery Comments:

E. FIRE HAZARD  Passed

Violation(s):

Fire Comments:

F. DISCHARGE OF E&P  Passed

Violation(s):

Discharge Status:

Discharge Comments:

G. DISPOSITION OF E&P

Site Id: Permit No:

H. EXISTENT PITS: No  I. NO. OF WELLS ON LEASE:

REMARKS:

THE OPERATOR’S REPRESENTATIVE SHALL SIGN THIS REPORT TO ACKNOWLEDGE RECEIPT OF HIS COPY, YOUR SIGNATURE CANNOT BE CONSTRUED AS AN ADMISSION OF GUILT FOR ANY VIOLATIONS CONTAINED IN THIS REPORT.

No Witness  September 27, 2018  IN COMPLIANCE No  Sealed: N

Operator’s Representative

JOSEPH LAGARDE  September 27, 2018  Sonris Id: 5755

Conservation Enforcement Agent

Latitude (Deg/Min/Sec:) 29 48 47.5  Longitude (Deg/Min/Sec:) 90 0 35.1 GPS Position: NW
<table>
<thead>
<tr>
<th>Subject</th>
<th>58821</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo File Name</td>
<td>F-1325422992/IMG_20180927_102952.jpg</td>
</tr>
<tr>
<td>Subject</td>
<td>58821</td>
</tr>
<tr>
<td>Photo File Name</td>
<td>F-256020140/IMG_20180927_102956.jpg</td>
</tr>
</tbody>
</table>
### Lease and Well Data

- **Operator Name:** CRESCENT ENERGY SERVICES, LLC
- **Address:** 1304 ENGINEERS ROAD, BELL CHASSE, LA 70037
- **Well 458 State Lease**

### Drilling Information
- **Drill Perm Date:** 12/20/1955
- **Spud Date:** 11/22/1955
- **Measured Depth:** 9,244
- **True Vertical Depth:**
- **Plug Back Depth:**
- **Date Well Turned Into Tanks:**
- **Date Ready to Produce:**

### Geophysical Data
- **Ground Elevation:**
- **Casining Head Flange Elevation:**
- **Distance from RKB to CHF:**

### Completion and Re-Completion Data

#### Initial Completion or Re-Completion Data
- **BHP:**
- **Gas Volume:**
- **GOR:**
- **Choke Size:** J64
- **Flowing Tubing Pressure:**
- **Casing Pressure:**
- **Water Production:**
- **BHP:**
- **Company Representative:**

#### Tubing Size
- **Depth of Tubing:**
- **Depth of Packers:**

### Plug and Abandon (P & A) Data
- **Date Work Performed:**

### Well Work
- **Reperforation:**
- **Reservoir, if recorded:**
- **Effective Date of Status:** 05/16/2019

### Summary

- **Operator Code:** C5143
- **Address Code:** P A F
- **Well No:**
- **Plaquemines Parish Code:** 38

---

**Note:** The document contains detailed information about the well, its location, and the various technical specifications and dates related to its operation and maintenance. It includes sections for completion and re-completion data, tubing sizes, and plug and abandon information. The document is filled out with specific data points and signatures indicating the date and approval.
WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

<table>
<thead>
<tr>
<th>WORK PERMIT NO.</th>
<th>DATE WORK PERFORMED</th>
<th>SERVICE COMPANY</th>
<th>DESCRIPTION OF WORK</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPAM0118-19</td>
<td>5/16/2019</td>
<td>Crescent Energy Svs.</td>
<td>Cut 10-3/4&quot; and 16&quot; cgs 5' BGL, weld plate with well serial number inscribed</td>
</tr>
<tr>
<td></td>
<td>5/17/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>DEPTH</th>
<th>FORMATION</th>
<th>DEPTH</th>
</tr>
</thead>
</table>

Office of Conservation Use Only

Well Information Checked By: [Signature]

Initials
Date well P&A

PRESENT WELL STATUS

<table>
<thead>
<tr>
<th>Casing</th>
<th>Tubing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>16&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>40.5#</td>
</tr>
<tr>
<td>Grade</td>
<td>H-40</td>
</tr>
<tr>
<td>Thread</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>218'</td>
</tr>
</tbody>
</table>

Liner:

Wellhead | Tree Connection

TOC @ 2,546'
35 sacks cement
10-3/4" @ 2,581' BOC @ 2,581'

TOC @ 6,600'
75 sacks cement
BOC @ 6,750'

TOC @ 7,125'
50 sacks cement
BOC @ 7,225'

TD @ 9,244'

RECEIVED

JUL 31 2019
OFFICE OF CONSERVATION
WELL FILES SECTION

RECEIVED

MAY 23 2019
OFFICE OF CONSERVATION
LAFAYETTE DISTRICT

LS SN 58821

Crescent Energy Services, LLC

Lease  State Lease 458
Field   Stella
Date    26-Mar-19

#1
Sec 002 T15S R24E
JF
A. INSPECTION REASON
Request by Baton Rouge Office

B. FACILITY TYPE
Commingled: N
Permit no.
Oil: N
Gas: N
Both: N

C. WELL SITE
1. IDENTIFICATION: Passed
    Violation(s):
    Well Site Comments: 18-1190. This well was orphan well taken over by Crescent Energy for educational purposes. Please rescind compliance order.

D. TANK BATTERY
1. IDENTIFICATION: Passed
    Violation(s):

2. CONTAINMENT: Passed
    Type: Reference well:
    Violation(s):

3. BLEEDERS Exist: N/A Passed
    Violation(s):

4. PIPELINE SALES VALVES: Passed
    Transporter:
    Violation(s):

5. B S & W VALVES: Passed
    Violation(s):

6. MECHANICAL ARRANGEMENT: Passed
    Violation(s):

7. STRUCTURAL INTEGRITY OF STORAGE TANKS: Passed
    Violation(s):
8. VENTING OF STORAGE TANKS  Passed

Violation(s):

Tank Battery Comments:

E. FIRE HAZARD  Passed

Violation(s):

Fire Comments:

F. DISCHARGE OF E&P  Passed

Violation(s):

Discharge Status:

Discharge Comments:

G. DISPOSITION OF E&P

Site Id: Permit No:

H. EXISTENT PITS:  No  I. NO. OF WELLS ON LEASE:

REMARKS:

THE OPERATOR'S REPRESENTATIVE SHALL SIGN THIS REPORT TO ACKNOWLEDGE RECEIPT OF HIS COPY, YOUR SIGNATURE CANNOT BE CONSTRUED AS AN ADMISSION OF GUILT FOR ANY VIOLATIONS CONTAINED IN THIS REPORT.

No Witness  March 28, 2019  IN COMPLIANCE  Yes  Sealed:  N
Operator's Representative

JOSEPH LAGARDE  March 28, 2019
Conservation Enforcement Agent

Sonris Id: 6169
Latitude (Deg/Min/Sec:) 29 48 47.5  Longitude (Deg/Min/Sec:) 90 0 35.1 GPS Position: NW
Subject: 58821

Photo File Name: F-503309496/IMG_20190328_095503.jpg
**WORK PERMIT**
State of Louisiana / Office of Conservation  
Engineering Division  

**RECEIVED**  
JUL 31 2019  
OFFICE OF CONSERVATION  
LAFAYETTE DISTRICT  

---

**Operator's Name and Address:**  
Crescent Energy Services, LLC  
1304 Engineers Road  
Belle Chasse, LA 70037  

**Well Name and Number:**  
WELL FILES SECTION  
State Lease 458  
No. 001  
Field: Stella  
Code: 8703  
Parish: Plaquemines  
Code: 038  
Sec. 002  
Twp. 15S  
Rng. 24E  

**DESCRIPTION OF WORK**  
Plug & Abandon Well - Well is plugged with cement plugs. Cut 10-3/4" at 4' below plow line and well a plate on 10-3/4". Inscribe well serial number on plate.

---

**Sand & Reservoir to be Tested:**  
P&A  
TD: 9,244  

**Verbal Work Permit Approved on:**  
Engineer's Initials / Name:  
Permit Requested By (Type Name): Thomas Jahncke  
Phone: (504) 433-4188  
Signature:  
Date: 4/3/19  
Permit Authorized By:  
Date: 4/3/19  

**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. If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and two copies are required.

Office of Conservation  
122 St. John St., Room 228  
P.O. Drawer 165  
Monroe, LA. 71201  
318-382-3111 |  
Office of Conservation  
1525 Fairfield Ave., Ste 668  
P.O. Drawer 165  
Shreveport, La. 71101-4388  
318-676-7585  
Office of Conservation  
825 Kaliste Saloom Rd  
Brandywine III, Ste 220  
Lafayette, La. 70508-4284  
337-262-5777 |  
Office of Conservation  
1525 Fairfield Ave., Ste 668  
P.O. Drawer 165  
Shreveport, La. 71101-4388  
318-676-7585  
Office of Conservation  
825 Kaliste Saloom Rd  
Brandywine III, Ste 220  
Lafayette, La. 70508-4284  
337-262-5777 |

Contact the District Office at (number above) AND the Conservation Enforcement Specialist at least 12 Hours prior to commencement of work. If operations have not commenced within one (1) year of the issuance date, this work permit shall expire.

FORM DM-4R Rev. (10/11)
STATE OF LOUISIANA
OFFICE OF CONSERVATION
PLUG AND ABANDON REPORT

WORK PERMIT No.: LPA #0118-19
WELL SERIAL NUMBER: 058821

TOTAL DEPTH: 9,244 PBTD: (Prior to P&A) DATE WORK FINISHED: 05/17/2019

LAFAYETTE DISTRICT

(Submit Original and One (1) Copy to District Office.)

Field: STELLA
Parish: PLAQUEMINES
Operator: CRESCEBT ENERGY SERVICES
Well Name: SL 458 STELLA

Sec. 9 Twp. 15S Rge. 24E

Check Appropriate Box: [X] 29: DRY HOLE [ ] 30: FORMERLY PRODUCTIVE [ ] 18: TEMPORARILY ABANDONED

Depth Casing Cut Below Mud Line or Land Surface: 5 feet Mud Weight Left in Well After Abandonment: __ ppg

OFFICE OF CONSERVATION WELL FILES SECTION
WELL No.: 201

Setting Depths of Bridge Plugs And/Or Cement Retainers:

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth</th>
<th>Size</th>
</tr>
</thead>
</table>

Was this well a multiple completion? [ ] No

If so, List Other Well Serial Numbers. SN's:

CEMENT PLUGS *

<table>
<thead>
<tr>
<th>Casing Size (in. O.D.)</th>
<th>Casing Pulled (feet)</th>
<th>Casing Size (in. O.D.)</th>
<th>Top of Plug (ft.)</th>
<th>Bottom of Plug (ft.)</th>
<th>Number of Sacks</th>
<th>Slurry Weight (ppg)</th>
<th>PLACEMENT METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>5' BGL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-3/4</td>
<td>5' BGL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* List Casing Size And Plug Depths in Descending Order

STEEL PLATE WAS WELDED ON TOP

Remarks: 10-3/4" and 16" cut 5' BGL, plate welded to top with well serial number.

This work was done according to the rules and regulations of the Office of Conservation.

Witness

CRESCEBT ENERGY SERVICES, LLC

Operator

Representative

FORM P&A (REV 10/13)
| Serial Num | 58821 | Date   | May 5, 2020 | Operator | Crescent Energy Services, Llc | Id | C5143 |
| Lease Name | STATE LEASE 458 # 001 | Address | 1304 Engineers Road | |
| Section    | 002   | Township | 15S | Range: 24E | Belle Chasse, LA 70037-|
| Parish      | PLAQUEMINES | Field | Stella | Id: 8703 | |
| Contact     | Paul Mckim |

A. INSPECTION REASON

B. WELL SITE

1. IDENTIFICATION: Passed
2. CONDITION: Passed

   Well Site Comments: Well has been plugged. See photo.

   Transportation to Site: TRUCK

C. TANK BATTERY

1. IDENTIFICATION: Passed
2. CONTAINMENT: Passed
3. BLEEDERS: Exist: N/A, Passed
4. PIPELINE SALES VALVES: Passed
5. B S & W VALVES: Passed
6. MECHANICAL ARRANGEMENT: Passed
7. STRUCTURAL INTEGRITY OF STORAGE TANKS: Passed
8. VENTING OF STORAGE TANKS: Passed

D. FIRE HAZARD: Passed

E. DISCHARGE OF E&P: Passed

F. DISPOSITION OF E&P

Site Id: 
Site Name: 

G. EXISTENT PITS: No

REMARKS:

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Operator's Representative

May 5, 2020

IN COMPLIANCE: Yes
Sealed: N

JOSEPH LAGARDE
Conservation Enforcement Agent

May 5, 2020

Sonris Id: 761821

Latitude (Deg/Min/Sec): 29 48 47.5 Longitude (Deg/Min/Sec): 90 0 35.1
Subject: 58821
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Subject: 58821
Photo File Name: F264334550/1 (47).jpg

Subject: 58821
Photo File Name: F40811069/1 (47).jpg