August 10, 2020

ADDENDUM NO. 1 (37 Pages)

Reference:  Bid Proposal # 431-PA21-004
Caddo Pine Island Fields
Caddo Parish
Scheduled Bid Opening: 11 AM August 20, 2020

NOTICE TO BIDDERS:

Due to inability to locate pits at well site, pit remediation will be remove from this package.

REPLACE PAGES 18-55 IN YOUR BID PACKAGE WITH PAGES 8A - 55A. Additionally, please destroy the pit sampling bid for Union Producing Company “A” #001 SN 35041 due to inability to locate pits. All addendum pages MUST be returned with official bid.

Signed addendum must be returned with bid documents as noted in General Conditions, Instructions, Policies and Procedures and Section 5 #2 Information Bidders Are Required to Submit with Bid Proposal. This addendum is now part of Bid Packet 431-PA21-004.

Courtney Domingue
Procurement Officer

__________________________
(Company Name)

225-342-5007

__________________________
(Company Representative Authorized Signature)

__________________________
(Date)

Engineering Division
Post Office Box 94275 • Baton Rouge, Louisiana 70804-9275 • 617 North Third Street • 9th Floor • Baton Rouge, Louisiana 70802
(225) 342-5540 • Fax (225) 342-2584 • www.dnr.state.la.us/conservation
An Equal Opportunity Employer
Section 7

SCOPE OF WORK

A. Well Name  
GERHIG-STOER 001

Well Serial Number  
33422

Operator of Record  
C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 16.1 Long - 93 57 7.1
SEC-007 TWP- 20N RGE-15W
Caddo Pine Island, Caddo Parish

Casing Configuration:  
8 5/8”  ? lb/ft  0’ – 21’ w/ 5 sxs
5 1/2”  14 lb/ft  0’ – 1375’ w/ 75 sxs

Latest Borehole Information:
Drilled TD: 1550’  Tubing  Unk
PBTM: Unk  Packer  Unk
USDW: 230’  Perforations  1235’ – 1522’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a 1/2” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
B. **Well Name** | **Well Serial Number** | **Operator of Record**
--- | --- | ---
GERHIG-STOER 002 | 33483 | C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 9.6 Long - 93 57 8,3
SEC-007 TWP- 20N RGE-15W
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” \(? lb/ft \)
  - 0’ – 21’ w/ 5 sxs
- 5 1/2” \(14 \) lb/ft
  - 0’ – 1365’ w/ 75 sxs

Latest Borehole Information:
- Drilled TD: 1550’
- PBTD: Unk
- USDW: 230’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
**C. Well Name** | **Well Serial Number** | **Operator of Record**
---|---|---
GERHIG-STOER 004 | 33597 | C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 15 Long - 93 56 59.4
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

<table>
<thead>
<tr>
<th>Casing Configuration:</th>
<th>8 5/8”</th>
<th>? lb/ft</th>
<th>0’ – 22’ w/ 6 sxs</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>5 1/2”</td>
<td>14 lb/ft</td>
<td>0’ – 1367’ w/ 75 sxs</td>
</tr>
</tbody>
</table>

**Latest Borehole Information:**
Drilled TD: 1520’
PBTD: Unk
USDW: 230’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus**.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
D. **Well Name**: GERHIG-STOER 003  
**Well Serial Number**: 33673  
**Operator of Record**: C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 8.9 Longitude: 93 57 .1  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

**Casing Configuration:**
8 5/8” ? lb/ft 0’ – 21’ w/ 5 sxs  
5 1/2” 14 lb/ft 0’ – 1395’ w/ 75 sxs

Latest Borehole Information:
**Drilled TD**: 1523’  
**Tubing**: Unk  
**PBT**: Unk  
**Packer**: Unk  
**USDW**: 230’  
**Perforations**: 1350’ – 1523’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.  
2. POOH with rods, pump, tubing, and packer, if present.  
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.  
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.  
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.  
6. Fill production casing with cement to surface.  
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.  
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.  
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.  
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
**General Description:**
Location: Lat - 32 44 20.2 Long - 93 57 12.7
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” ? lb/ft 0’ – 61’ w/ 50 sxs
4 1/2” 11 lb/ft 0’ – 1455’ w/ 100 sxs

Latest Borehole Information:
Drilled TD: 1510’ Tubing Unk
PBTD: 1510’ Packer Unk
USDW: 230’ Perforations 1350’ – 1510’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus**.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. **Remove Production Facility** (including, but not limited to: saltwater and oil tanks and separator) in accordance with LAC43:XIX.311 and 313. Collect and analyze a confirmatory clean soil sample and post closure soil sample for non-compliant constituents (see Sec. 2, Item 30).
11. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
F. **Well Name** | **Well Serial Number** | **Operator of Record**
---|---|---
GERHIG-STOER 005 | 35381 | C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 12.6 Long - 93 57 7.1
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” ? lb/ft 0’ – 60’ w/ 10 sxs
- 5 1/2” 14 lb/ft 0’ – 1452’ w/ 100 sxs

Latest Borehole Information:
- Drilled TD: 1504’ Tubing Unk
- PBTD: Unk Packer Unk
- USDW: 230’ Perforations 1450’ – 1504’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**General Description:**
Location: Lat - 32 44 6.6 Long - 93 57 8.8
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration: Surface Unk
5 1/2” 14 lb/ft 0’ – 1448’ w/ 100 sxs

Latest Borehole Information:
Drilled TD: 1505’ Tubing Unk
PBTD: Unk Packer Unk
USDW: 230’ Perforations 1448’ – 1505’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
H. Well Name
N B STOER ETAL 001

Well Serial Number
38454

Operator of Record
C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 4 Long - 93 57 7.7
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
Surface           Unk
5 1/2”           ? lb/ft
0’ – 1462’ w/ 75 sxs

Latest Borehole Information:
Drilled TD:   1600’ Tubing 2” 0’ – 1465’
PBTD:         Unk
Packer         Unk
USDW:         230’ Perforations 1462’ – 1515’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
I. Well Name          Well Serial Number         Operator of Record
GERHIG-STOER 007        50214                  C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 15.7 Long - 93 57 7
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” ? lb/ft 0’ – 62’ w/ 25 sxs
4 1/2” ? lb/ft 0’ – 1383’ w/ 200 sxs

Latest Borehole Information:
Drilled TD: 1510’ Tubing 2” 0’ – 1440’
PBTD: Unk Packer Unk
USDW: 230’ Perforations 1383’ – 1510’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**J. Well Name**  
GERHIG-STOER 010

**Well Serial Number**  
50345

**Operator of Record**  
C. J. BROOME OIL COMPANY (B138)

**General Description:**

Location: Lat - 32 44 14.1 Long - 93 57 10.4  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

**Casing Configuration:**
- 8 5/8” ? lb/ft 0’ – 22’ w/ 10 sxs
- 4 1/2” ? lb/ft 0’ – 1462’ w/ 275 sxs

**Latest Borehole Information:**
- Drilled TD: 1505’
- PBTD: Unk
- USDW: 230’
- Tubing: 2” 0’ – 1500’
- Packer: Unk
- Perforations: 1362’ – 1505’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
General Description:
Location: Lat - 32 44 9.8 Long - 93 56 57.6
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:  
8 5/8” ? lb/ft 0’ – 61’ w/ 35 sxs
4 1/2” ? lb/ft 0’ – 1404’ w/ 275 sxs

Latest Borehole Information:
Drilled TD: 1515’ Tubing 2” 0’ – 1500’
PBTD: Unk Packer Unk
USDW: 230’ Perforations 1408’ – 1515’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.

28A
L. Well Name | Well Serial Number | Operator of Record
---|---|---
GERHIG-STÖER 009 | 50347 | C. J. BROOME OIL COMPANY (B138)

*General Description:*
Location: Lat - 32 44 7.3 Long - 93 56 59.4
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” ? lb/ft 0’ – 68’ w/ 25 sxs
- 4 1/2” ? lb/ft 0’ – 1405’ w/ 300 sxs

**Latest Borehole Information:**
Drilled TD: 1515’
PBTD: Unk
USDW: 230’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
M. Well Name  Well Serial Number  Operator of Record
L J MATHIEU 001  54426  TRIANGLE OIL OF HOSSTON (6131)

**General Description:**
Location: Lat - 32 44 14.9 Long - 93 57 12.1
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8”  ? lb/ft  0’ – 56’ w/ 25 sxs
- 4 1/2”  9.5 lb/ft  0’ – 1552’ w/ 175 sxs

Latest Borehole Information:
- Drilled TD:  1550’
- PBTD:  1522’
- USDW:  230’
- Tubing  2”  0’ – 1540’
- Packer  Unk
- Perforations  1388’ – 1501’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and [circulate 50 sacks of cement into production annulus](#).
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ?” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
### General Description:

Location: Lat - 32 44 18.8 Long - 93 57 10.8  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

<table>
<thead>
<tr>
<th>Casing Configuration:</th>
<th>8 5/8” ? lb/ft</th>
<th>0’ – 39’ w/ 25 sxs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 1/2” ? lb/ft</td>
<td>0’ – 1542’ w/ 325 sxs</td>
</tr>
</tbody>
</table>

Latest Borehole Information:

- Drilled TD:   1550’  
- PBTD:           1542’  
- USDW:         230’

<table>
<thead>
<tr>
<th>Tubing</th>
<th>2” 0’ – 1520’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packer</td>
<td>Unk</td>
</tr>
</tbody>
</table>

| Perforations | 1392’ – 1508’ |

### Plugging and Abandonment Procedure

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 39’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
<table>
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<th>Well Name</th>
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<th>Operator of Record</th>
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<td>GERHIG-STOER 012</td>
<td>56574</td>
<td>C. J. BROOME OIL COMPANY (B138)</td>
</tr>
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</table>

**General Description:**
Location: Lat - 32 44 18.7 Long - 93 57 9.18  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:  
8 5/8” ? lb/ft 0’ – 40’ w/ 25 sxs  
5 1/2” ? lb/ft 0’ – 1549’ w/ 320 sxs

Latest Borehole Information:
Drilled TD: 1550’  
PBTM: 1550’  
USDW: 230’  

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
P.  Well Name | Well Serial Number | Operator of Record
GERHIG-STOER 013 | 56575 | C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 17.2 Long - 93 57 10.6
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” 5 1/2”
- ? lb/ft 15.5 lb/ft
- 0’ – 41’ w/ 25 sxs 0’ – 1550’ w/ 275 sxs

Latest Borehole Information:
- Drilled TD: 1550’
- PBTD: 1550’
- USDW: 230’
- Tubing 2”
- Packer Unk
- Perforations 1390’ – 1508’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
Q. | Well Name | Well Serial Number | Operator of Record |
--- | --- | --- |
GERHIG-STOER 014 | 56576 | C. J. BROOME OIL COMPANY (B138) |

**General Description:**
Location: Lat - 32 44 16.2 Long - 93 57 11.4  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8”  \(? \) lb/ft  0’ – 40’ w/ 25 sxs
- 5 1/2”  15.5 lb/ft  0’ – 1550’ w/ 275 sxs

Latest Borehole Information:
- Drilled TD: 1550’
- PBTD: 1550’
- USDW: 230’
- Tubing: 2” 0’ – 1520’
- Packer: Unk
- Perforations: 1390’ – 1508’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
R.  Well Name: GERHIG-STOER 015
    Well Serial Number: 56577
    Operator of Record: C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 16.2 Long - 93 57 11.4
SEC-007 TWP- 20N RGE-15W
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” 7 lb/ft 0’ – 40’ w/ 25 sxs
- 5 1/2” 15.5 lb/ft 0’ – 1545’ w/ 275 sxs

Latest Borehole Information:
- Drilled TD: 1550’
- PBTD: 1550’
- USDW: 230’
- Tubing 2” 0’ – 1530’
- Packer Unk
- Perforations 1375’ – 1500’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
S. Well Name          Well Serial Number Operator of Record
GERHIG-STOER 016      57561 C. J. BROOME OIL COMPANY (B138)

*General Description:
Location: Lat - 32 44 11.6 Long - 93 57 10.4
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration: 8 5/8” 7 lb/ft 0’ – 42’ w/ 25 sxs
5 1/2” 15.5 lb/ft 0’ – 1533’ w/ 300 sxs

Latest Borehole Information:
Drilled TD: 1544’ Tubing 2” 0’ – 1515’
PBTD: 1523’ Packer Unk
USDW: 230’ Perforations 1384’ – 1504’

*Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
T. Well Name | Well Serial Number | Operator of Record
---|---|---
GERHIG-STOER 017 | 57562 | C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 10.5 Long - 93 57 10.6
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” 7 lb/ft 0’ – 40’ w/ 25 sxs
5 1/2” 14 lb/ft 0’ – 1529’ w/ 300 sxs

Latest Borehole Information:
Drilled TD: 1550’  
PBTD: 1529’  
USDW: 230’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
General Description:
Location: Lat - 32 44 7.1 Long - 93 57 10.3
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” 7 lb/ft 0’ – 41’ w/ 25 sxs
5 1/2” 14 lb/ft 0’ – 1532’ w/ 300 sxs

Latest Borehole Information:
Drilled TD: 1550’ Tubing 2” 0’ – 1530’
PBTD: 1532’ Packer Unk
USDW: 230’ Perforations 1340’ – 1510’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
V. Well Name: GERHIG-STOER 019
   Well Serial Number: 57564
   Operator of Record: C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 7.1 Long - 93 57 10.3
SEC-007 TWP- 20N RGE-15W                   Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8”  ?? lb/ft  0’ – 40’ w/ 25 sxs
5 1/2”   14 lb/ft  0’ – 1525’ w/ 300 sxs

Latest Borehole Information:
Drilled TD: 1550’  Tubing  2” 0’ – 1530’
PBT: 1525’  Packer  Unk
USDW: 230’  Perforations 1447’ – 1550’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**General Description:**

Location: Lat - 32 44 7.1 Long - 93 57 10.3
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8”  ? lb/ft  0’ – 42’ w/ 25 sxs
- 5 1/2”  14 lb/ft  0’ – 1525’ w/ 300 sxs

Latest Borehole Information:
- Drilled TD:   1550’  
- PBTD:           1525’  
- USDW:         230’
- Tubing  2”  0’ – 1500’  
- Packer       Unk  
- Perforations 1441’ – 1507’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi.
5. Fill production casing with cement to surface.
6. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
7. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
8. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
9. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
X.

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<td>58607</td>
<td>C. J. BROOME OIL COMPANY (B138)</td>
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**General Description:**

Location: Lat - 32 44 18.1 Long - 93 56 56.5
SEC-007 TWP- 20N RGE-15W
Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” ? lb/ft 0’ – 40’ w/ 25 sxs
- 5 1/2” 17 lb/ft 0’ – 1546’ w/ 150 sxs

Latest Borehole Information:
- Drilled TD: 1546’
- PBTD: 1546’
- USDW: 230’
- Tubing: 2” 0’ – 1530’
- Packer: Unk
- Perforations: 1418’ – 1500’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:  If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**General Description:**

Location: Lat - 32 44 16.3 Long - 93 56 57.2
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” ? lb/ft 0’ – 42’ w/ 25 sxs
- 5 1/2” 17 lb/ft 0’ – 1537’ w/ 150 sxs

Latest Borehole Information:
- Drilled TD: 1547’ Tubing 2” 0’ – 1520’
- PBTD: 1537’ Packer Unk
- USDW: 230’ Perforations 1390’ – 1520’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
Well Name: GERHIG-STOER 023
Well Serial Number: 58609
Operator of Record: C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 13.5 Long - 93 56 58.2
SEC-007 TWP- 20N RGE-15W
Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” ? lb/ft 0’ – 41’ w/ 25 sxs
5 1/2” 17 lb/ft 0’ – 1543’ w/ 160 sxs

Latest Borehole Information:
Drilled TD: 1550’ Tubing 2’ 0’ – 1520’
PBTD: 1543’ Packer Unk
USDW: 230’ Perforations 1393’ – 1515’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**General Description:**
Location: Lat - 32 44 13.8 Long - 93 57 2.7
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8” ? lb/ft  0’ – 40’ w/ 25 sxs
- 5 1/2” 17 lb/ft  0’ – 1548’ w/ 150 sxs

Latest Borehole Information:
- Drilled TD:   1550’  Tubing   2” 0’ – 1530’
- PBTD:       1548’  Packer  Unk
- USDW:       230’  Perforations  1418’ – 1502’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:  If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
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**General Description:**

Location: Lat - 32 44 13.6 Long - 93 57 7.4  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:  
- 8 5/8”  
- 5 1/2”  

Latest Borehole Information:  
- Drilled TD: 1548’  
- PBTD: 1548’  
- USDW: 230’  

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus**.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*

45A
CC.  |    Well Name    |    Well Serial Number    |   Operator of Record   |
-----|----------------|--------------------------|------------------------|
       | GERHIG-STOER 026 | 58813                     | C. J. BROOME OIL COMPANY (B138) |

**General Description:**
Location: Lat - 32 44 12.5 Long - 93 56 58.2  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

**Casing Configuration:**
8 5/8”  \( \uparrow \) lb/ft  0’ – 40’ w/ 25 sxs  
5 1/2”  17 lb/ft  0’ – 1526’ w/ 150 sxs

Latest Borehole Information:
Drilled TD: 1553’  
PBTD: 1526’  
USDW: 230’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus**.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**DD. Well Name**  
GERHIG-STOER 027  
**Well Serial Number** 58814  
**Operator of Record** C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 11.6 Long - 93 57 1  
SEC-007 TWP- 20N RGE-15W  
Caddo Pine Island, Caddo Parish

Casing Configuration:  
8 5/8” ? lb/ft 0’ – 40’ w/ 25 sxs  
5 1/2” 17 lb/ft 0’ – 1526’ w/ 150 sxs

Latest Borehole Information:
Drilled TD: 1553’  
PBT: 1526’  
USDW: 230’

**Plugging and Abandonment Procedure**

All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
EE.  Well Name  Well Serial Number  Operator of Record
GERHIG-STOER 028  58815  C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 18.7  Long - 93 57 0.5
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration:
- 8 5/8”  ? lb/ft  0’ – 41’ w/ 25 sxs
- 5 1/2”  17 lb/ft  0’ – 1549’ w/ 150 sxs

Latest Borehole Information:
- Drilled TD: 1550’  Tubing 2” 0’ – 1520’
- PBTD: 1549’  Packer Unk
- USDW: 230’  Perforations 1315’ – 1496’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
Well Name: ARK-LA GAS FEE 005
Well Serial Number: 59246
Operator of Record: LANMARC RESOURCES (L133)

General Description:
Location: Lat - 32 43 58.5 Long - 93 56 55.6
SEC-008 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” ? lb/ft 0’ – 60’ w/ 50 sxs
4 1/2” 9.5 lb/ft 0’ – 1552’ w/ 125 sxs

Latest Borehole Information:
Drilled TD: 1552’ Tubing 2” 0’ – 1535’
PBT: 1552’ Packer Unk
USDW: 230’ Perforations 1376’ – 1503’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2’-4 shot per foot - 90° phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 60’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
GG.  Well Name  Well Serial Number  Operator of Record
GERHIG-STOER 030  59708  C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 13.4  Long - 93 57 58
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration: 8 5/8”  ? lb/ft  0’ – 41’ w/ 25 sxs
5 1/2”  17 lb/ft  0’ – 1520’ w/ 150 sxs

Latest Borehole Information:
Drilled TD: 1542’  Tubing  2” 0’ – 1520’
PBTD: 1520’  Packer  Unk
USDW: 230’  Perforations 1390’ – 1505’

**Plugging and Abandonment Procedure**
*All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.*

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:  If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*
HH.  Well Name   Well Serial Number  Operator of Record
GERHIG-STOER 029      59709        C. J. BROOME OIL COMPANY (B138)

**General Description:**
Location: Lat - 32 44 17.8  Long - 93 57 1.7  
SEC-007 TWP- 20N RGE-15W  Caddo Pine Island, Caddo Parish

Casing Configuration:  
8 5/8”  ? lb/ft  0’ – 40’ w/ 25 sxs
4 1/2”  9.5 lb/ft  0’ – 1538’ w/ 150 sxs

Latest Borehole Information:
Drilled TD:  1550’  Tubing  2’  0’ – 1536’
PBTD:  1538’  Packer  Unk
USDW:  230’  Perforations  1357’ – 1500’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE:* If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
II.  Well Name          Well Serial Number          Operator of Record
GERHIG-STOER 032          60955                   C. J. BROOME OIL COMPANY (B138)

General Description:
Location: Lat - 32 44 11.3 Long - 93 57 5.7
SEC-007 TWP- 20N RGE-15W   Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8”      ? lb/ft     0’ – 38’ w/ 25 sxs
5 1/2”      9.5 lb/ft    0’ – 1538’ w/ 150 sxs

Latest Borehole Information:
Drilled TD: 1556’          Tubing 2” 0’ – 1520’
PBTD: 1538’              Packer Unk
USDW: 230’                     Perforations 1397’ – 1512’

Plugging and Abandonment Procedure
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and circulate 50 sacks of cement into production annulus.
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.
**General Description:**
Location: Lat - 32 44 11.5 Long - 93 57 8
SEC-007 TWP- 20N RGE-15W Caddo Pine Island, Caddo Parish

Casing Configuration:
8 5/8” ? lb/ft 0’ – 39’ w/ 25 sxs
5 1/2” 15 lb/ft 0’ – 1539’ w/ 150 sxs

Latest Borehole Information:
Drilled TD: 1550’ Tubing 2” 0’ – 1510’
PBTD: 1539’ Packer Unk
USDW: 230’ Perforations 1405’ – 1495’

**Plugging and Abandonment Procedure**
All Cement plugs shall be API Class H, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well. Install and test blowout preventers.
2. POOH with rods, pump, tubing, and packer, if present.
3. Pick up work string. GIH with gauge bit and clean out production casing to 1200’. Circulate well clean and fill with minimum 9.0 ppg corrosion inhibited fluid (and leave between all cement plugs). POOH.
4. Set a CIBP at 1200’. Pressure test casing to 300 psi. Dumb bail or spot a minimum 10’ cement plug on top of CIBP.
5. Perforate production casing with a casing perforating gun (2” – 4 shot per foot – 90 Deg. Phasing) at 330’. Establish injection into perforations and **circulate 50 sacks of cement into production annulus.**
6. Fill production casing with cement to surface.
7. Circulate with small tubing a minimum of 40’ surface plug between all casing strings leaving annulus full to surface.
8. Cut all casings a minimum of 5’ below ground level. Weld a ½” steel plate on the top of each casing string. Weld or stencil serial number and date on top of plate.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well.
10. **Remove Production Facility** (including, but not limited to: saltwater and oil tanks and separator) in accordance with LAC43:XIX.311 and 313. Collect and analyze a confirmatory clean soil sample and post closure soil sample for non-compliant constituents (see Sec. 2, Item 30).
11. Restore well site and access route.

*NOTE: If plastic pipe is used, all costs to recover or remediate parted plastic pipe are to be borne by the contractor.*

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### Breakdown of Lump Sum Total

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. P&amp;A well Serial Number 33422</td>
<td>$____________</td>
</tr>
<tr>
<td>B. P&amp;A well Serial Number 33483</td>
<td>$____________</td>
</tr>
<tr>
<td>C. P&amp;A well Serial Number 33597</td>
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<tr>
<td>D. P&amp;A well Serial Number 33673</td>
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<td>E. P&amp;A well Serial Number 35041</td>
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<tr>
<td>F. Remove surface equipment (including separator, SN 35041)</td>
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<td>G. P&amp;A well Serial Number 35381</td>
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<td>H. P&amp;A well Serial Number 35522</td>
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<td>J. P&amp;A well Serial Number 50214</td>
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<td>K. P&amp;A well Serial Number 50345</td>
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<td>X. P&amp;A well Serial Number 58607</td>
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<tr>
<td>Y. P&amp;A well Serial Number 58608</td>
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<tr>
<td>Z. P&amp;A well Serial Number 58609</td>
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</tbody>
</table>
AA. P&A well Serial Number 58610 $__________________
BB. P&A well Serial Number 58611 $__________________
CC. P&A well Serial Number 58813 $__________________
DD. P&A well Serial Number 58814 $__________________
EE. P&A well Serial Number 58815 $__________________
FF. P&A well Serial Number 59246 $__________________
GG. P&A well Serial Number 59708 $__________________
HH. P&A well Serial Number 59709 $__________________
   II. P&A well Serial Number 60955 $__________________
   JJ. P&A well Serial Number 60956 $__________________
            Remove tank battery (SN 60956) $__________________

**Permit Fees 36 x $75** $2,700.00

**Financial Assurance Charge** $__________________

**Other** (must separately list and identify any additional costs)

$__________________ $__________________

**Deduct salvage value** (Itemized listing must be attached) $__________________

**TOTAL** $__________________

Bidder must enter a bid amount on all items. Failure to do so may eliminate your bid from consideration. Partial bids for incomplete Scope of Work are not acceptable.

*Must equal the sum of the above items and must equal the lump sum total indicated on Page 3 of the bid document.

Bidder must supply the information required on Section 5. Failure to do so may eliminate your bid from consideration.

**Rig & crew cost per hour** $__________________ (to be used when establishing change order costs)