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COMMISSIONER OF CONSERVATION

State of Louisiana

DEPARTMENT OF NATURAL RESOURCES
OFFICE OF CONSERVATION

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

Courtney Domingue
225-342-5007

_____ (Company Name)

_____ (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

Section 7 **SCOPE OF WORK**

A.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 001	33422	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
PBTD:	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 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.

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’	Tubing	Unk
PBTD:	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 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

Casing Configuration:	8 5/8"	? lb/ft	0' – 22' w/ 6 sxs
	5 1/2"	14 lb/ft	0' – 1367' w/ 75 sxs

Latest Borehole Information:'

Drilled TD:	1520'	Tubing	2" 0' – 1375'
PBTD:	Unk	Packer	Unk
USDW:	230'	Perforations	1400' – 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° 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	Well Serial Number	Operator of Record
	GERHIG-STOER 003	33673	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
PBTD:	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.

E. **Well Name** **Well Serial Number** **Operator of Record**

UNION PRODUCING COMPANY "A" 001 **35041** BAYOU PRODUCTION COMPANY, INC (0499)

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.

G.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 006	35522	C. J. BROOME OIL COMPANY (B138)

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**	**Well Serial Number**	**Operator of Record**
	N B STOER ETAL 001	38454	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**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 010	50345	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'	Tubing	2" 0' – 1500'
PBTD:	Unk	Packer	Unk
USDW:	230'	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.

K.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 008	50346	C. J. BROOME OIL COMPANY (B138)

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.

L.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 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'	Tubing	2" 0' – 1405'
PBTD:	Unk	Packer	Unk
USDW:	230'	Perforations	1390' – 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.

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’	Tubing	2” 0’ – 1540’
PBTD:	1522’	Packer	Unk
USDW:	230’	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 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.

N. **Well Name** **Well Serial Number** **Operator of Record**

GERHIG-STOER 011 56573 C. J. BROOME OIL COMPANY (B138)

General Description:

Location: Lat - 32 44 18.8 Long - 93 57 10.8

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"	? lb/ft	0' – 1542' w/ 325 sxs

Latest Borehole Information:'

Drilled TD:	1550'	Tubing	2" 0' – 1520'
PBTD:	1542'	Packer	Unk
USDW:	230'	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.

O. **Well Name** **Well Serial Number** **Operator of Record**

GERHIG-STOER 012 56574 C. J. BROOME OIL COMPANY (B138)

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'	Tubing	2" 0' – 1520'
PBTD:	1550'	Packer	Unk
USDW:	230'	Perforations	1378' – 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.

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"	? lb/ft	0' – 41' w/ 25 sxs
	5 1/2"	15.5 lb/ft	0' – 1550' w/ 275 sxs

Latest Borehole Information:'

Drilled TD:	1550'	Tubing	2" 0' – 1530'
PBTD:	1550'	Packer	Unk
USDW:	230'	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'	Tubing	2" 0' – 1520'
PBTD:	1550'	Packer	Unk
USDW:	230'	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	Well Serial Number	Operator of Record
	GERHIG-STOER 015	56577	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' – 1545' w/ 275 sxs

Latest Borehole Information:'

Drilled TD:	1550'	Tubing	2" 0' – 1530'
PBTD:	1550'	Packer	Unk
USDW:	230'	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"	? 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"	? lb/ft	0' – 40' w/ 25 sxs
	5 1/2"	14 lb/ft	0' – 1529' w/ 300 sxs

Latest Borehole Information:'

Drilled TD:	1550'	Tubing	2" 0' – 1510'
PBTD:	1529'	Packer	Unk
USDW:	230'	Perforations	1385' – 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.

U.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 018	57563	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' – 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**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 019	57564	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'
PBTD:	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.

W.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 020	57565	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' – 42' w/ 25 sxs
	5 1/2"	14 lb/ft	0' – 1525' w/ 300 sxs

Latest Borehole Information:'

Drilled TD:	1550'	Tubing	2" 0' – 1500'
PBTD:	1525'	Packer	Unk
USDW:	230'	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.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 021	58607	C. J. BROOME OIL COMPANY (B138)

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'	Tubing	2" 0' – 1530'
PBTD:	1546'	Packer	Unk
USDW:	230'	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.

Y.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 022	58608	C. J. BROOME OIL COMPANY (B138)

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.

Z.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 023	58609	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.

AA.	**Well Name**	**Well Serial Number**	**Operator of Record**
	GERHIG-STOER 024	58610	C. J. BROOME OIL COMPANY (B138)

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.

BB.	Well Name	Well Serial Number	Operator of Record
	GERHIG-STOER 025	58611	C. J. BROOME OIL COMPANY (B138)

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"	? lb/ft	0' – 40' w/ 25 sxs
	5 1/2"	17 lb/ft	0' – 1548' w/ 150 sxs

Latest Borehole Information:'

Drilled TD:	1548'	Tubing	2" 0' – 1530'
PBTD:	1548'	Packer	Unk
USDW:	230'	Perforations	1406' – 1494'

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.

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 12.5Long - 93 56 58.2

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'	Tubing	2" 0' – 1530'
PBTD:	1526'	Packer	Unk
USDW:	230'	Perforations	1320' – 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.

DD.	Well Name	Well Serial Number	Operator of Record
	GERHIG-STOER 027	58814	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'	Tubing	2" 0' – 1530'
PBTD:	1526'	Packer	Unk
USDW:	230'	Perforations	1320' – 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.

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.

FF.	Well Name	Well Serial Number	Operator of Record
	ARK-LA GAS FEE 005	**59246**	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'
PBTD:	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.

JJ. **Well Name** **Well Serial Number** **Operator of Record**

GERHIG-STOER 031 60956 C. J. BROOME OIL COMPANY (B138)

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.

Section 8 **BREAKDOWN OF LUMP SUM TOTAL**

ITEM DESCRIPTION	COST
A. P&A well Serial Number 33422	**$ _____**
B. P&A well Serial Number 33483	**$ _____**
C. P&A well Serial Number 33597	**$ _____**
D. P&A well Serial Number 33673	**$ _____**
E. P&A well Serial Number 35041	**$ _____**
Remove surface equipment (including separator, SN 35041)	**$ _____**
F. P&A well Serial Number 35381	**$ _____**
G. P&A well Serial Number 35522	**$ _____**
H. P&A well Serial Number 38454	**$ _____**
I. P&A well Serial Number 50214	**$ _____**
J. P&A well Serial Number 50345	**$ _____**
K. P&A well Serial Number 50346	**$ _____**
L. P&A well Serial Number 50347	**$ _____**
M. P&A well Serial Number 54426	**$ _____**
N. P&A well Serial Number 56573	**$ _____**
O. P&A well Serial Number 56574	**$ _____**
P. P&A well Serial Number 56575	**$ _____**
Q. P&A well Serial Number 56576	**$ _____**
R. P&A well Serial Number 56577	**$ _____**
S. P&A well Serial Number 57561	**$ _____**
T. P&A well Serial Number 57562	**$ _____**
U. P&A well Serial Number 57563	**$ _____**
V. P&A well Serial Number 57564	**$ _____**
W. P&A well Serial Number 57565	**$ _____**
X. P&A well Serial Number 58607	**$ _____**
Y. P&A well Serial Number 58608	**$ _____**
Z. P&A well Serial Number 58609	**$ _____**

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)