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SECRETARY

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COMMISSIONER OF  
CONSERVATION

State of Louisiana  
DEPARTMENT OF NATURAL RESOURCES  
OFFICE OF CONSERVATION

April 26, 2018

ADDENDUM NO. 1 (29 Pages)

Reference: Bid Proposal # 431-PA19-002  
Monroe Field  
Union Parish  
Scheduled Bid Opening: 11 AM May 31, 2018

**NOTICE TO BIDDERS:**

**REPLACE PAGES 17-44 IN YOUR BID PACKAGE WITH PAGES 17A-44A. These 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-PA19-002.

Raymond McKnight  
Procurement Officer

A handwritten signature in black ink, appearing to read "Raymond McKnight", written over a horizontal line.

225-342-0688

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Company Representative Authorized Signature)

\_\_\_\_\_  
(Date)

## Section 6

### MINIMUM EQUIPMENT REQUIREMENTS

The equipment requirements cited in this section shall be only the minimum requirements for the basic equipment packages used in performing the scope of work for the restoration of each of the sites contained in the bid. It remains the contractor's responsibility to include in the bid all other tools and equipment necessary to complete the scope of work.

PLUGGING EQUIPMENT - LAND OPERATIONS - This service is to include the following items of equipment:

- A. Rig – Workover rig capable of plugging wells in this bid package. The rig package shall include a minimum of a **four (4)** man crew **plus** tool pusher, power tongs, weight indicator, and all handling tools as needed for tubings, work string and small diameter pipe.
- B. Hydraulically actuated blowout preventers rated to a minimum 3000 psi working pressure.
- C. Pressure safety valve rated to a minimum 3000 psi working pressure.
- D. Circulating pump capable of pressuring up and circulating to 1000 psi at 3 barrels per minute minimum. **All connections in the line from the pump to wellhead shall also be rated to 1000 psi.**
- E. 80 barrel steel circulating tank
- F. **Sufficient length** of EUE work string, drifted, tested, and certified to have less than 12.5% maximum body wall loss (white band) and small diameter pipe.
- G. **Normal fishing tools required to retrieve tubing. For example: overshot(s), grapple(s), spear(s), ETC.**

**Section 7**

**SCOPE OF WORK**

<b><u>A.</u></b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	MCKINNIE C No. 1	037667	C D MCKINNIE (M085)

**General Description**

Location: Lat. 32° 52' 1.7"  
Section: 28-T22N-R03E

Long. - 92° 9' 46.5"  
Monroe Field, Union Parish

Casing configuration:	9 5/8"	28.0 lb/ft	0' - 200' w/35 sxs
	5 1/2"	9.5 lb/ft	0' - 2212' w/125 sxs

Latest borehole information:

Drilled TD: 2212'  
PBSD: 2212'  
USDW: 940'

Tubing: No record  
Packer: N/A  
Perforations: 2212'-2292'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2160'. Circulate well clean. POOH.
5. Set a CIBP at 2160'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1040' to 1042' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>B.</b>	<u><b>Well Name</b></u>	<u><b>Well Serial Number</b></u>	<u><b>Operator of Record</b></u>
	JAMES R WHITE No. 1	109681	ELMER W WILSON JR (W044)

**General Description**

Location: Lat. 32° 51' 57.2"  
Section: 28-T22N-R03E

Long. - 92° 10' 0.8"  
Monroe Field, Union Parish

Casing configuration:	6"	? lb/ft	0' - 205' w/50 sxs
	2 7/8"	6.5 lb/ft	0' - 2294' w/150 sxs

Latest borehole information:

Drilled TD: 2294'	Tubing: 1" @ 2140'
PBDT: 2294'	Packer: N/A
USDW: 940'	Perforations: 2143' - 2250'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090'. Circulate well clean. POOH.
5. Set a CIBP at 2090'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1040' to 1042'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

C.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	W B HAILE, JR. No. 1	141549	MRS. W. B. HAILE, JR. (H013)

**General Description**

Location: Lat. 32° 49' 53"  
 Section: 3-T21N-R03E

Long. - 92° 8' 50.5"  
 Monroe Field, Union Parish

Casing configuration:	8 5/8"	20 lb/ft	0' - 202' w/100 sxs
	2 7/8"	6.5 lb/ft	0' - 2190' w/150 sxs

Latest borehole information:

Drilled TD: 2200'  
 PBDT: 2190'  
 USDW: 1305'

Tubing: 0.75" @ 2080'  
 Packer: N/A  
 Perforations: 2096' - 2150'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2045'. Circulate well clean. POOH.
5. Set a CIBP at 2045'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1405' to 1407'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

<b>D. <u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
LANGFORD JOHNSON No. 1	142727	B JOHNSON (J087)

**General Description**

Location: Lat. 32° 49' 47.5"	Long. - 92° 8' 31.1"
Section: 3-T21N-R03E	Monroe Field, Union Parish

Casing configuration:	8 5/8"	20 lb/ft	0' - 202' w/ 100 SXS
	2 7/8"	6.9 lb/ft	0' - 2200' w/125 SXS

Latest borehole information:

Drilled TD:	2200'	Tubing:	0.75" @ 2100'
PBTD:	2200'	Packer:	N/A
USDW:	1305'	Perforations:	2125' - 2169'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2075'. Circulate well clean. POOH.
5. Set a CIBP at 2075'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1405' to 1407'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

E.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	KATIE SMITH No. 1	150376	FRANK B MCGRATH (3984)

**General Description**

Location: Lat. 32° 52' 9.1"  
Section: 25-T22N-R02E

Long. - 92° 12' 42.2"  
Monroe Field, Union Parish

Casing configuration:	8 5/8"	20 lb/ft	0' - 105' w/ 125 SXS
	2 7/8"	6.5 lb/ft	0' - 2300' w/150 SXS

Latest borehole information:

Drilled TD:	2310'	Tubing:	1" @ 2105'
PBSD:	2300'	Packer:	N/A
USDW:	932'	Perforations:	2154' - 2153'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2100'. Circulate well clean. POOH.
5. Set a CIBP at 2100'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1032' to 1034'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

F.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	KATIE SMITH No. 3	150566	FRANK B MCGRATH (3984)

**General Description**

Location: Lat. 32° 51' 58.7"  
 Section: 30-T22N-R03E

Long. - 92° 12' 15"  
 Monroe Field, Union Parish

Casing configuration:	7" 2 7/8"	24 lb/ft 6.5 lb/ft	0' - 105' w/75 sxs 0' - 2268' w/125 sxs
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**Latest borehole information:**

Drilled TD: 2283'	Tubing: 1" @ 2205'
PBSD: 2268'	Packer: N/A
USDW: 953'	Perforations: 2166' - 2255'

**Plugging and Abandonment Procedure**

**All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.**

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2100'. Circulate well clean. POOH.
5. Set a CIBP at 2100'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1032' to 1034'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.



G.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	KATIE SMITH No. 2	150569	FRANK B MCGRATH (3984)

**General Description**

Location: Lat. 32° 52' 0"  
Section: 25-T22N-R02E

Long. - 92° 12' 29.7"  
Monroe Field, Union Parish

Casing configuration:	7" 2 7/8"	24 lb/ft 6.5 lb/ft	0' - 101' w/75 sxs 0' - 2258' w/125 sxs
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**Latest borehole information:**

Drilled TD: 2345'	Tubing: 1" @ 2226'
PBSD: 2258'	Packer: N/A
USDW: 932'	Perforations: 2182' - 2291'

**Plugging and Abandonment Procedure**

**All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.**

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2130'. Circulate well clean. POOH.
5. Set a CIBP at 2130'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1032' to 1034'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

H.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	MARY P SMITH No. 1	150722	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 52' 6.3"  
 Section: 29-T22N-R03E

Long. - 92° 10' 26.8"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 101' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2278' w/125 sxs

Latest borehole information:

Drilled TD:	2280'	Tubing:	1" @ 2127'
PBTD:	2278'	Packer:	N/A
USDW:	940'	Perforations:	2131' - 2247'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2080'. Circulate well clean. POOH.
5. Set a CIBP at 2080'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1040' to 1042' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>I.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	<b>J O MCKINNEY No. 1</b>	<b>151246</b>	<b>DRUM ENERGY, L.L.C. (D110)</b>

**General Description**

Location: Lat. 32° 51' 41"  
Section: 29-T22N-R03E

Long. - 92° 11' 12.6"  
Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 110' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2280' w/125 sxs

**Latest borehole information:**

Drilled TD:	2296'	Tubing:	1" @ 2215'
PBSD:	2280'	Packer:	N/A
USDW:	943'	Perforations:	2119' - 2237'

**Plugging and Abandonment Procedure**

**All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.**

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2065'. Circulate well clean. POOH.
5. Set a CIBP at 2065'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1043' to 1045' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>J.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	RUTH P.BAKER No. 1	151419	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 52' 1"  
Section: 29-T22N-R03E

Long. - 92° 10' 26.7"  
Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 105' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2288' w/125 sxs

Latest borehole information:

Drilled TD: 2294'	Tubing: 1" @ 2123'
PBSD: 2288'	Packer: N/A
USDW: 850'	Perforations: 2127' - 2234'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2075'. Circulate well clean. POOH.
5. Set a CIBP at 2075'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 950' to 952' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>K.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	W H TURNER No. 1	151420	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 54.4"  
 Section: 31-T22N-R03E

Long. - 92° 12' 23.1"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 105' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2290' w/125 sxs

Latest borehole information:

Drilled TD:	2296'	Tubing:	1" @ 2140'
PBSD:	2290'	Packer:	N/A
USDW:	930'	Perforations:	2144' - 2268'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090'. Circulate well clean. POOH.
5. Set a CIBP at 2090'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1030' to 1032' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>L.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	HAILE HEIRS No. 2	151453	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 14.6"  
Section: 5-T21N-R03E

Long. - 92° 11' 19.3"  
Monroe Field, Union Parish

Casing configuration:	8 5/8"	20 lb/ft	0' - 101' w/125 sxs
	3 1/2"	7.5 lb/ft	0' - 2295' w/150 sxs

Latest borehole information:

Drilled TD:	2303'	Tubing:	1" @ 2112'
PBTD:	2295'	Packer:	N/A
USDW:	900'	Perforations:	2112' - 2224'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2060'. Circulate well clean. POOH.
5. Set a CIBP at 2060'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1000' to 1002' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>M.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	HAILE HEIRS No. 1	151454	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 19.9"  
 Section: 5-T21N-R03E

Long. - 92° 11' 14"  
 Monroe Field, Union Parish

Casing configuration:	8 5/8"	28 lb/ft	0' - 100' w/125 sxs
	3 1/2"	7.4 lb/ft	0' - 2322' w/125 sxs

**Latest borehole information:**

Drilled TD:	2327'	Tubing:	1" @ 2165'
PBTD:	2290'	Packer:	N/A
USDW:	900'	Perforations:	2165' - 2261'

**Plugging and Abandonment Procedure**

**All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.**

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2115'. Circulate well clean. POOH.
5. Set a CIBP at 2115'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1000' to 1002' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a ½" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

N.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	HAILE HEIRS A No. 1	151455	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 24.9"  
 Section: 5-T21N-R03E

Long. - 92° 11' 21.9"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 110' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2310' w/125 sxs

Latest borehole information:

Drilled TD:	2320'	Tubing:	1" @ 2137'
PBSD:	2310'	Packer:	N/A
USDW:	900'	Perforations:	2137' - 2247'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2085'. Circulate well clean. POOH.
5. Set a CIBP at 2085'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1000' to 1002' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.



<b>O.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	W H TURNER 31 No. 1	151456	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 31° 51' 4.7"  
Section: 31-T22N-R03E

Long. - 92° 12' 21.7"  
Monroe Field, Union Parish

Casing configuration:	8 5/8"	24 lb/ft	0' - 106' w/ 125 sxs
	2 7/8"	6.5 lb/ft	0' - 2297' w/150 sxs

Latest borehole information:

Drilled TD:	2300'	Tubing:	1" @ 2237'
PBSD:	2297'	Packer:	N/A
USDW:	930'	Perforations:	2069' - 2237'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2015'. Circulate well clean. POOH.
5. Set a CIBP at 2015'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1030' to 1032'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

<b>P.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	<b>BOOTH A No. 1</b>	<b>153747</b>	<b>DRUM ENERGY, L.L.C. (D110)</b>

**General Description**

Location: Lat. 32° 52' 23.1"  
Section: 28-T22N-R03E

Long. - 92° 10' 24.4"  
Monroe Field, Union Parish

Casing configuration:	7" 3 1/2"	24 lb/ft 7.5 lb/ft	0' - 102' w/75 sxs 0' - 2324' w/125 sxs
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**Latest borehole information:**

Drilled TD:	2325'	Tubing:	1" @ 2144'
PBSD:	2324'	Packer:	N/A
USDW:	900'	Perforations:	2144' - 2262'

**Plugging and Abandonment Procedure**

**All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.**

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090'. Circulate well clean. POOH.
5. Set a CIBP at 2090'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1000' to 1002' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a ½" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

Q.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	BOOTH A No. 2	153748	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 52' 20"  
 Section: 28-T22N-R03E

Long. - 92° 10' 11.3"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 107' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2338' w/125 sxs

Latest borehole information:

Drilled TD:	2352'	Tubing:	1" @ 2146'
PBTD:	2328'	Packer:	N/A
USDW:	900'	Perforations:	2146' - 2254'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2095'. Circulate well clean. POOH.
5. Set a CIBP at 2095'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1000' to 1002' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>R.</b>	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	TURNER B No. 1	153754	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 56.4"  
Section: 31-T22N-R03E

Long. - 92° 12' 14.7"  
Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 104' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2255' w/175 sxs

Latest borehole information:

Drilled TD:	2320'	Tubing:	N/A
PBSD:	2255'	Packer:	N/A
USDW:	930'	Perforations:	2139' - 2247'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2085'. Circulate well clean. POOH.
5. Set a CIBP at 2085'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1030' to 1032' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

S.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	EXXON 32 No. 1	154564	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 51' 31.2"	Long. - 92° 11' 11.2"
Section: 32-T22N-R03E	Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 115' w/75 sxs
	3 1/2"	7.5 lb/ft	0' - 2302' w/125 sxs

Latest borehole information:

Drilled TD: 2317'	Tubing: 1" 2140'
PBTD: 2302'	Packer: N/A
USDW: 943'	Perforations: 2140' - 2250'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090'. Circulate well clean. POOH.
5. Set a CIBP at 2090'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1043' to 1045' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

T.	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	EXXON 32 No. 2	154565	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 51' 21.6"	Long. - 92° 11' 11.5"
Section: 32-T22N-R03E	Monroe Field, Union Parish

Casing configuration:	7"	20 lb/ft	0' - 116' w/75 sxs
	3 1/2"	7.7 lb/ft	0' - 2328' w/125 sxs

Latest borehole information:

Drilled TD: 2329'	Tubing: 1" 2159'
PBTD: 2328'	Packer: N/A
USDW: 943'	Perforations: 2159' - 2272'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2105'. Circulate well clean. POOH.
5. Set a CIBP at 2105'. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1043' to 1045' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<b>U.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	EXXON 32 No. 3	154566	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 51' 20.4"  
Section: 32-T22N-R03E

Long. - 92° 10' 57.9"  
Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 106' w/75 sxs
	3 1/2"	7.7 lb/ft	0' - 2311' w/125 sxs

Latest borehole information:

Drilled TD:	2317'	Tubing:	1" 2140'
PBTD:	2311'	Packer:	N/A
USDW:	943'	Perforations:	2140' - 2250'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090. Circulate well clean. POOH.
5. Set a CIBP at 2090. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1043' to 1045' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<u>V.</u>	<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
	EXXON 32 No. 4	154567	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 51' 26"  
 Section: 32-T22N-R03E

Long. - 92° 10' 59.6"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 112' w/75 sxs
	3 1/2"	7.7 lb/ft	0' - 2314' w/125 sxs

Latest borehole information:

Drilled TD:	2317'	Tubing:	1" 2172'
PBTD:	2314'	Packer:	N/A
USDW:	943'	Perforations:	2172' - 2278'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2120. Circulate well clean. POOH.
5. Set a CIBP at 2120. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1043' to 1045' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.



<b>W.</b>	<b><u>Well Name</u></b>	<b><u>Well Serial Number</u></b>	<b><u>Operator of Record</u></b>
	EMMA WILSON No. 1	155488	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 50' 55"  
 Section: 31-T22N-R03E

Long. - 92° 12' 3.6"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 116' w/ 75 sxs
	3 1/2"	7.7 lb/ft	0' - 2327' w/ 125 sxs

Latest borehole information:

Drilled TD:	2329'	Tubing:	1" 2194'
PBTD:	2327'	Packer:	N/A
USDW:	930'	Perforations:	2194' - 2248'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2140. Circulate well clean. POOH.
5. Set a CIBP at 2140. Dump bail 10' cement on top. Pressure test casing to 300 psi.
6. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
7. Perforate production casing with hollow carrier casing gun from 1030' to 1032' w/4 SPF @ 90° phase. Establish injection into perforations.
8. Set a cement retainer 30' above perforations.
9. Sting into retainer and pump 50 sacks of cement below retainer and into perforations.
10. Remove stinger from retainer and spot a 10 sack cement plug on top of retainer.
11. Spot a top balanced 150' surface cement plug inside the production casing.
12. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
13. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
14. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
15. Restore well site along with access routes.

<u>Well Name</u>	<u>Well Serial Number</u>	<u>Operator of Record</u>
UNION POWER C No. 3	168762	DRUM ENERGY, L.L.C. (D110)

**General Description**

Location: Lat. 32° 48' 2.3"  
 Section: 16-T21N-R03E

Long. - 92° 9' 41.6"  
 Monroe Field, Union Parish

Casing configuration:	7"	24 lb/ft	0' - 102' w/ 100 sxs
	2 7/8"	6.4 lb/ft	0' - 2238' w/ 250 sxs

**Latest borehole information:**

Drilled TD:	2252'	Tubing:	1" 2134'
PBSD:	2238'	Packer:	N/A
USDW:	920'	Perforations:	2134' - 2170'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2080'. Circulate well clean. POOH.
5. Set a CIBP at 2080'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1020' to 1022'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

Y.	<u>Well Name</u> UNION POWER C No. 4	<u>Well Serial Number</u> 168763	<u>Operator of Record</u> Ouachita Development Corp. (4060)
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**General Description**

Location: Lat. 32° 48' 2.9"	Long. - 92° 9' 56.7"
Section: 16-T21N-R03E	Monroe Field, Union Parish

Casing configuration:	7"	17 lb/ft	0' - 102' w/ 100 sxs
	2 7/8"	6.4 lb/ft	0' - 2255' w/ 250 sxs

Latest borehole information:

Drilled TD:	2258'	Tubing:	3/4" 2141'
PBSD:	2255'	Packer:	N/A
USDW:	920'	Perforations:	2141' - 2167'

**Plugging and Abandonment Procedure**

All cement plugs to be Class A, having a minimum density of 15.6 pounds per gallon, and contain an accelerator.

1. Move in, rig up, and kill well if necessary. Install and pressure test blowout preventers.
2. POOH with tubing, packer, or hanger if present and lay down.
3. ~~Fish with appropriate fishing tools to recover remaining tubing from well (allow for 4 hours fishing time).~~
4. Pick up work string. GIH with gauge bit and clean out production casing to 2090'. Circulate well clean. POOH.
5. Set a CIBP at 2090'. Pressure test casing to 300 psi.
6. GIH with work string to CIBP. Circulate and fill 2 7/8" casing with cement from top of CIBP to 1365'.
7. Circulate well with a minimum 9.0 ppg corrosion inhibited fluid and leave between all plugs.
8. Perforate production casing with thru tubing perforating gun (2 ft., 4 shots per foot, 180° phasing) from 1020' to 1022'. Establish injection into perforations.
9. Pump 50 sacks of cement into perforations and fill 2 7/8" casing to surface with cement.
10. Circulate with small tubing a minimum of 100' surface cement plug between all casing strings, leaving annulus full of cement to the surface.
11. Cut all casing a minimum of five feet (5') below ground level and weld a 1/2" steel plate on top of each casing string. Weld or stencil well serial number and date on top of plate.
12. Remove and dispose of all equipment, material and debris associated with the past operation of this well.
13. Restore well site along with access routes.

**Section 8**

**BREAKDOWN OF LUMP SUM TOTAL**

<u>ITEM DESCRIPTION</u>	<u>COST</u>
A P&A well Serial Number 37667	\$ _____
B P&A well Serial Number 109681	\$ _____
C P&A well Serial Number 141549	\$ _____
D P&A well Serial Number 142727	\$ _____
E P&A well Serial Number 150376	\$ _____
F P&A well Serial Number 150566	\$ _____
G P&A well Serial Number 150569	\$ _____
H P&A well Serial Number 150722	\$ _____
I P&A well Serial Number 151246	\$ _____
J P&A well Serial Number 151419	\$ _____
K P&A well Serial Number 151420	\$ _____
L P&A well Serial Number 151453	\$ _____
M P&A well Serial Number 151454	\$ _____
N P&A well Serial Number 151455	\$ _____
O P&A well Serial Number 151456	\$ _____
P P&A well Serial Number 153747	\$ _____
Q P&A well Serial Number 153748	\$ _____
R P&A well Serial Number 153754	\$ _____
S P&A well Serial Number 154564	\$ _____
T P&A well Serial Number 154565	\$ _____
U P&A well Serial Number 154566	\$ _____
V P&A well Serial Number 154567	\$ _____
W P&A well Serial Number 155488	\$ _____

<b>X. P&amp;A well Serial Number 168762</b>	\$ _____
<b>Y. P&amp;A well Serial Number 168763</b>	\$ _____
<b>Work Permit Costs (25X\$75)</b>	\$ <b>\$1,875.00</b>
<b>Financial Assurance Charge</b>	\$ _____
<b>Other (must separately list and identify any additional costs)</b>	\$ _____
_____	\$ _____
_____	\$ _____
<b>Deduct salvage value (Itemized listing must be attached)</b>	\$ <u>( )</u>
<b>TOTAL *</b>	\$ _____

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 ).