

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 019 26359

Approval Date: 01/10/2020

Expiration Date: 07/10/2021

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 2S Rge: 3W

County: CARTER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 750 330

Lease Name: CHELSEA

Well No: 1-12-1XHW

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC  
PO BOX 269000  
OKLAHOMA CITY, OK 73126-9000

BILLY M. BRADY TRUST  
100 WOODED CREEK DR.  
RED OAK TX 75154

Formation(s) (Permit Valid for Listed Formations Only):

| Name       | Depth | Name | Depth |
|------------|-------|------|-------|
| 1 WOODFORD | 12126 | 6    |       |
| 2          |       | 7    |       |
| 3          |       | 8    |       |
| 4          |       | 9    |       |
| 5          |       | 10   |       |

Spacing Orders: 696735  
696736

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905622  
201905623

Special Orders:

Total Depth: 20632

Ground Elevation: 1010

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 1260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-37178

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

## PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

## HORIZONTAL HOLE 1

Sec 01 Twp 2S Rge 3W County CARTER

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 11483

Radius of Turn: 409

Direction: 360

Total Length: 8506

Measured Total Depth: 20632

True Vertical Depth: 12126

End Point Location from Lease,  
Unit, or Property Line: 50

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

12/30/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

MEMO

12/30/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CADDO CREEK RESERVOIR), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201905622

1/9/2020 - GB6 - (I.O.) 1 & 12 -2S-3W  
EST MULTIUNIT HORIZONTAL WELL  
X696735 WDFD, OTHER 1-2S-3W  
X696736 WDFD, OTHER 12-2S-3W  
50% 1-2S-3W  
50% 12-2S-3W  
REC 12/23/2019 (P. PORTER)

PENDING CD - 201905623

1/9/2020 - GB6 - (I.O.) 1 & 12 -2S-3W  
X696735 WDFD, OTHER 1-2S-3W  
COMPL. INT. (12-2S-3W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL  
COMPL. INT. (1-2S-3W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL  
NO OP. NAMED  
REC. 12/23/2019 (P. PORTER)

This permit does not address the right of entry or settlement of surface damages.

019 26359 CHELSEA 1-12-1XHW

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

SPACING - 696735

1/9/2020 - GB6 - (640)(HOR) 1-2S-3W

EST WDFD, OTHERS

COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL

SPACING - 696736

1/9/2020 - GB6 - (640)(HOR) 12-2S-3W

VAC 346555 WDFD, OTHER IN NW4 12-2S-3W

EST WDFD, OTHERS

COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

EXHIBIT: A (1 of 10)  
SHEET: 8.5x14  
SHL: 12-2S-3W  
BHL-C1 1-2S-3W  
BHL-E1 24-2S-3W



API 019-26359

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

P.O. BOX 26900 OKLAHOMA CITY, OK 73126 \* (T) 1-800-256-8955 (F) 405-234-9253

Section 12 Township 2S Range 3W I.M. Well: CHELSEA 1-12-1XHW  
County CARTER State OK Well: ESSEX 1-12-13-24XHW  
Operator CONTINENTAL RESOURCES, INC.

| NAD-83 |                           |          |         |                                   |                         | EXISTING<br>ELEVATION                                 | DESIGN<br>ELEVATION |
|--------|---------------------------|----------|---------|-----------------------------------|-------------------------|---|---------------------|
| POINT  | WELL NAME                 | NORTHING | EASTING | LATITUDE<br>LONGITUDE             | LATITUDE<br>LONGITUDE   |   |                     |
| C1     | CHELSEA 1-12-1XHW         | 388010   | 2131842 | 34° 23' 34.18"<br>-97° 27' 30.80" | 34.392830<br>-97.458555 | 750' FSL / 330' FEL (SE/4 SEC 12)                     | 1008.07'            |
| PI-C1  | POINT OF INTERSECT        | 388011   | 2131882 | 34° 23' 34.18"<br>-97° 27' 30.20" | 34.392830<br>-97.458589 | 750' FSL / 280' FEL (SE/4 SEC 12)                     | --                  |
| LP-C1  | LANDING POINT             | 388320   | 2131840 | 34° 23' 37.25"<br>-97° 27' 30.80" | 34.393682<br>-97.458554 | 1080' FSL / 330' FEL (SE/4 SEC 12)                    | --                  |
| BHL-C1 | BOTTOM HOLE LOCATION      | 395780   | 2131801 | 34° 25' 10.84"<br>-97° 27' 30.88" | 34.419877<br>-97.458516 | 50' FNL / 330' FEL (NE/4 SEC 1)                       | --                  |
| E1     | ESSEX 1-12-13-24XHW       | 388040   | 2131842 | 34° 23' 34.48"<br>-97° 27' 30.79" | 34.392912<br>-97.458554 | 780' FSL / 330' FEL (SE/4 SEC 12)                     | 1009.07'            |
| PI-E1  | POINT OF INTERSECT        | 388040   | 2131792 | 34° 23' 34.49"<br>-97° 27' 31.39" | 34.392913<br>-97.458720 | 780' FSL / 380' FEL (SE/4 SEC 12)                     | --                  |
| LP-E1  | LANDING POINT             | 385730   | 2131843 | 34° 23' 31.42"<br>-97° 27' 30.80" | 34.392080<br>-97.458555 | 470' FSL / 330' FEL (SE/4 SEC 12)                     | --                  |
| BHL-E1 | BOTTOM HOLE LOCATION      | 374758   | 2131888 | 34° 21' 42.88"<br>-97° 27' 30.99" | 34.361905<br>-97.458609 | 50' FSL / 330' FEL (SE/4 SEC 24)                      | --                  |
| X-1    | BARNWELL #1               | 393499   | 2129182 | 34° 24' 48.41"<br>-97° 28' 02.31" | 34.413448<br>-97.467307 | 1-2S-3W:   TD: 8,357'  <br>2,315' FNL / 2,310' FWL    | --                  |
| X-2    | HIGGINS #1                | 395500   | 2131802 | 34° 25' 08.07"<br>-97° 27' 30.88" | 34.418908<br>-97.458517 | 1-2S-3W:   TD: 3,582'  <br>±330' FNL / ±330' FEL      | --                  |
| X-3    | HIGGINS #1                | 394828   | 2129820 | 34° 25' 01.52"<br>-97° 27' 54.37" | 34.417099<br>-97.465103 | 1-2S-3W:   TD: 3,295'  <br>±990' FNL / ±2,316' FEL    | --                  |
| X-4    | LUKE #1                   | 392831   | 2127846 | 34° 24' 41.87"<br>-97° 28' 18.05" | 34.411831<br>-97.471681 | 1-2S-3W:   TD: 5,233'  <br>2,310' FSL / 990' FWL      | --                  |
| X-5    | SHEILA #1-1               | 393511   | 2130488 | 34° 24' 48.48"<br>-97° 27' 46.50" | 34.413480<br>-97.482918 | 1-2S-3W:   TD: 4,375'  <br>2,311' FNL / 1,855' FEL    | --                  |
| X-6    | KENNEDY #1                | 392179   | 2129171 | 34° 24' 35.35"<br>-97° 28' 02.28" | 34.409820<br>-97.467299 | 1-2S-3W:   TD: 4,388'  <br>1,850' FSL / 2,310' FWL    | --                  |
| X-7    | KENNEDY-NEEDHAM #1        | 394159   | 2129158 | 34° 24' 54.94"<br>-97° 28' 02.31" | 34.415281<br>-97.467308 | 1-2S-3W:   TD: 4,800'  <br>1,855' FNL / 2,310' FWL    | --                  |
| X-8    | HIGGINS #1                | 392184   | 2129833 | 34° 24' 35.37"<br>-97° 27' 54.38" | 34.409824<br>-97.485105 | 1-2S-3W:   TD: 8,308'  <br>1,850' FSL / 2,314' FEL    | --                  |
| X-9    | WILLIAMS #1               | 394177   | 2131143 | 34° 24' 55.01"<br>-97° 27' 38.82" | 34.415280<br>-97.480727 | 1-2S-3W:   TD: 3,034'  <br>1,849' FNL / 998' FEL      | --                  |
| X-10   | SWDU #2-1<br>(HIGGINS #4) | 392195   | 2131153 | 34° 24' 35.41"<br>-97° 27' 38.82" | 34.409835<br>-97.460729 | 1-2S-3W:   TD: 4,599'  <br>1,850' FSL / 994' FEL      | --                  |
| X-11   | HIGGINS #2                | 391530   | 2130500 | 34° 24' 28.88"<br>-97° 27' 46.48" | 34.408018<br>-97.482907 | 1-2S-3W:   TD: 4,853'  <br>990' FSL / 1,850' FEL      | --                  |
| X-12   | FANNIE HALL #1            | 395472   | 2127171 | 34° 25' 08.02"<br>-97° 28' 25.95" | 34.418896<br>-97.473675 | 1-2S-3W:   TD: 4,109'  <br>330' FNL / 330' FWL        | --                  |
| X-13   | SWDU #4-4<br>(HIGGINS #3) | 390875   | 2131180 | 34° 24' 22.35"<br>-97° 27' 38.83" | 34.408208<br>-97.460730 | 1-2S-3W:   TD: 4,550'  <br>330' FSL / 993' FEL        | --                  |
| X-14   | HIGGINS "B" #1            | 394837   | 2131140 | 34° 25' 01.54"<br>-97° 27' 38.61" | 34.417084<br>-97.480728 | 1-2S-3W:   TD: 7,838'  <br>989' FNL / 996' FEL        | --                  |
| X-15   | HIGGINS "F" #1            | 392881   | 2131808 | 34° 24' 41.95"<br>-97° 27' 30.78" | 34.411854<br>-97.458551 | 1-2S-3W:   TD: 3,821'  <br>2,310' FSL / 338' FEL      | --                  |
| X-16   | HIGGINS "A" #1            | 393523   | 2131806 | 34° 24' 48.50"<br>-97° 27' 30.74" | 34.413473<br>-97.458539 | 1-2S-3W:   TD: 4,326'  <br>2,308' FNL / 335' FEL      | --                  |
| X-17   | HOWELL #1                 | 385585   | 2129858 | 34° 23' 30.08"<br>-97° 27' 54.50" | 34.391890<br>-97.465138 | 12-2S-3W:   TD: 7,220'  <br>330' FSL / 2,316' FEL     | --                  |
| X-18   | PIERCE #2                 | 388900   | 2131829 | 34° 24' 02.77"<br>-97° 27' 30.77" | 34.400769<br>-97.458546 | 12-2S-3W:   TD: UNKNOWN'  <br>1,851' FNL / 330' FEL   | --                  |
| X-19   | PIERCE #8A                | 387580   | 2131834 | 34° 23' 49.71"<br>-97° 27' 30.79" | 34.397142<br>-97.458553 | 12-2S-3W:   TD: 273'  <br>2,319' FSL / 330' FEL       | --                  |
| X-20   | HOWELL #3                 | 388412   | 2130880 | 34° 23' 38.22"<br>-97° 27' 44.63" | 34.393951<br>-97.462598 | 12-2S-3W:   TD: 2,850'  <br>±1,155' FSL / ±1,490' FEL | --                  |
| X-21   | HOWELL #2                 | 387589   | 2131171 | 34° 23' 49.64"<br>-97° 27' 38.70" | 34.397122<br>-97.480750 | 12-2S-3W:   TD: 5,289'  <br>2,310' FSL / 993' FEL     | --                  |
| X-22   | KENNEDY #1                | 388539   | 2127543 | 34° 23' 59.43"<br>-97° 28' 21.83" | 34.398840<br>-97.472760 | 12-2S-3W:   TD: 9,214'  <br>1,981' FNL / 680' FWL     | --                  |
| X-23   | PIERCE ESTATE #1          | 385916   | 2130187 | 34° 23' 33.34"<br>-97° 27' 50.55" | 34.392594<br>-97.464042 | 12-2S-3W:   TD: 10,040'  <br>880' FSL / 1,983' FEL    | --                  |
| X-24   | AMERADA HESS #1           | 385899   | 2127728 | 34° 23' 33.30"<br>-97° 28' 19.92" | 34.392583<br>-97.472200 | 12-2S-3W:   TD: 9,520'  <br>680' FSL / 830' FWL       | --                  |
| X-25   | QUINTON #1                | 387228   | 2128870 | 34° 23' 48.39"<br>-97° 28' 06.19" | 34.398220<br>-97.468368 | 12-2S-3W:   TD: 9,372'  <br>1,980' FSL / 1,980' FWL   | --                  |

Certificate of Authorization No. 7318



Prepared By:  
Petro Land Services South  
10400 Vineyard Blvd.  
Suite C  
Oklahoma City, OK 73120

#### REVISIONS

| No. | DATE     | STAKED | BY  | DESCRIPTION                | COMMENTS                          |
|-----|----------|--------|-----|----------------------------|-----------------------------------|
| 00  | 12-17-19 | **--** | HOG | ISSUED FOR APPROVAL        | --                                |
| 01  | 12-18-19 | **--** | HOG | SWAPPED SHL'S & ADDED PI'S | REV'D EXHIBIT A(1-10), B, F & "A" |

EXHIBIT: A (5 of 10)  
SHEET: 8.5x14  
SHL: 12-2S-3W  
BHL-C1 1-2S-3W  
BHL-E1 24-2S-3W



## COVER SHEET CONTINUED...

### CONTINENTAL RESOURCES, INC.

P.O. BOX 26900 OKLAHOMA CITY, OK 73126 \* (T) 1-800-256-8955 (F) 405-234-9253

Section 12 Township 2S Range 3W I.M. Well: CHELSEA 1-12-1XHW  
County CARTER State OK Well: ESSEX 1-12-13-24XHW  
Operator CONTINENTAL RESOURCES, INC.

| NAD-27 |                                |          |         |                                   |                         | EXISTING<br>ELEVATION                                 | DESIGN<br>ELEVATION |
|--------|--------------------------------|----------|---------|-----------------------------------|-------------------------|---|---------------------|
| POINT  | WELL NAME                      | NORTHING | EASTING | LATITUDE<br>LONGITUDE             | LATITUDE<br>LONGITUDE   |   |                     |
| C1     | CHELSEA 1-12-1XHW              | 385988   | 2163437 | 34° 23' 33.87"<br>-97° 27' 29.71" | 34.392742<br>-97.458252 | 750' FSL / 330' FEL (SE/4 SEC 12)                     | 1009.07'            |
| PI-C1  | POINT OF INTERSECT             | 385988   | 2163487 | 34° 23' 33.87"<br>-97° 27' 29.11" | 34.392743<br>-97.458087 | 750' FSL / 280' FEL (SE/4 SEC 12)                     | --                  |
| LP-C1  | LANDING POINT                  | 386278   | 2163435 | 34° 23' 36.94"<br>-97° 27' 29.71" | 34.393594<br>-97.458252 | 1060' FSL / 330' FEL (SE/4 SEC 12)                    | --                  |
| BHL-C1 | BOTTOM HOLE LOCATION           | 395738   | 2163396 | 34° 25' 10.53"<br>-97° 27' 29.57" | 34.419590<br>-97.458214 | 50' FNL / 330' FEL (NE/4 SEC 1)                       | --                  |
| E1     | ESSEX 1-12-13-24XHW            | 385998   | 2163437 | 34° 23' 34.17"<br>-97° 27' 29.71" | 34.392825<br>-97.458252 | 780' FSL / 330' FEL (SE/4 SEC 12)                     | 1008.07'            |
| PI-E1  | POINT OF INTERSECT             | 385998   | 2163387 | 34° 23' 34.17"<br>-97° 27' 30.30" | 34.392826<br>-97.458418 | 780' FSL / 380' FEL (SE/4 SEC 12)                     | --                  |
| LP-E1  | LANDING POINT                  | 385888   | 2163438 | 34° 23' 31.10"<br>-97° 27' 29.71" | 34.391973<br>-97.458253 | 470' FSL / 330' FEL (SE/4 SEC 12)                     | --                  |
| BHL-E1 | BOTTOM HOLE LOCATION           | 374714   | 2163481 | 34° 21' 42.54"<br>-97° 27' 29.81" | 34.361818<br>-97.458307 | 50' FSL / 330' FEL (SE/4 SEC 24)                      | --                  |
| X-1    | BARNWELL #1                    | 393457   | 2160757 | 34° 24' 46.10"<br>-97° 28' 01.22" | 34.413361<br>-97.467004 | 1-2S-3W:   TD: 8,357'  <br>2,315' FNL / 2,310' FWL    | --                  |
| X-2    | HIGGINS #1                     | 395458   | 2163398 | 34° 25' 07.78"<br>-97° 27' 29.57" | 34.418821<br>-97.458214 | 1-2S-3W:   TD: 3,562'  <br>±330' FNL / ±330' FEL      | --                  |
| X-3    | HIGGINS #1                     | 394786   | 2161415 | 34° 25' 01.21"<br>-97° 27' 53.28" | 34.417003<br>-97.464800 | 1-2S-3W:   TD: 3,295'  <br>±990' FNL / ±2,316' FEL    | --                  |
| X-4    | LUKE #1                        | 392789   | 2159441 | 34° 24' 41.56"<br>-97° 28' 16.96" | 34.411544<br>-97.471378 | 1-2S-3W:   TD: 5,233'  <br>2,310' FSL / 990' FWL      | --                  |
| X-5    | SHEILA #1-1                    | 393468   | 2182081 | 34° 24' 48.15"<br>-97° 27' 45.41" | 34.413374<br>-97.462813 | 1-2S-3W:   TD: 4,375'  <br>2,311' FNL / 1,655' FEL    | --                  |
| X-6    | KENNEDY #1                     | 392137   | 2160786 | 34° 24' 35.04"<br>-97° 28' 01.19" | 34.409734<br>-97.466997 | 1-2S-3W:   TD: 4,368'  <br>1,650' FSL / 2,310' FWL    | --                  |
| X-7    | KENNEDY-NEEDHAM #1             | 394117   | 2160753 | 34° 24' 54.63"<br>-97° 28' 01.22" | 34.415175<br>-97.467005 | 1-2S-3W:   TD: 4,600'  <br>1,655' FNL / 2,310' FWL    | --                  |
| X-8    | HIGGINS #1                     | 392142   | 2161428 | 34° 24' 35.05"<br>-97° 27' 53.29" | 34.409737<br>-97.464803 | 1-2S-3W:   TD: 8,308'  <br>1,650' FSL / 2,314' FEL    | --                  |
| X-9    | WILLIAMS #1                    | 394134   | 2162738 | 34° 24' 54.70"<br>-97° 27' 37.53" | 34.415194<br>-97.464024 | 1-2S-3W:   TD: 3,034'  <br>1,649' FNL / 996' FEL      | --                  |
| X-10   | SWDU #2-1<br>(HIGGINS #4)      | 392153   | 2162748 | 34° 24' 35.09"<br>-97° 27' 37.54" | 34.409748<br>-97.464026 | 1-2S-3W:   TD: 4,599'  <br>1,650' FSL / 994' FEL      | --                  |
| X-11   | HIGGINS #2                     | 391487   | 2162095 | 34° 24' 28.54"<br>-97° 27' 45.37" | 34.407929<br>-97.462804 | 1-2S-3W:   TD: 4,653'  <br>990' FSL / 1,650' FEL      | --                  |
| X-12   | FANNIE HALL #1                 | 395429   | 2158766 | 34° 25' 07.71"<br>-97° 28' 24.86" | 34.418809<br>-97.473572 | 1-2S-3W:   TD: 4,109'  <br>330' FNL / 330' FWL        | --                  |
| X-13   | SWDU #4-4<br>(HIGGINS #3)      | 390833   | 2162755 | 34° 24' 22.04"<br>-97° 27' 37.54" | 34.406121<br>-97.464028 | 1-2S-3W:   TD: 4,550'  <br>330' FSL / 993' FEL        | --                  |
| X-14   | HIGGINS "B" #1                 | 394794   | 2162735 | 34° 25' 01.23"<br>-97° 27' 37.52" | 34.417007<br>-97.464023 | 1-2S-3W:   TD: 7,838'  <br>989' FNL / 996' FEL        | --                  |
| X-15   | HIGGINS "T" #1                 | 392818   | 2163401 | 34° 24' 41.64"<br>-97° 27' 29.70" | 34.411567<br>-97.458249 | 1-2S-3W:   TD: 3,621'  <br>2,310' FSL / 338' FEL      | --                  |
| X-16   | HIGGINS "A" #1                 | 393480   | 2163401 | 34° 24' 48.19"<br>-97° 27' 29.65" | 34.413386<br>-97.458237 | 1-2S-3W:   TD: 4,326'  <br>2,308' FNL / 335' FEL      | --                  |
| X-17   | HOWELL #1                      | 385542   | 2161453 | 34° 23' 29.77"<br>-97° 27' 53.41" | 34.391802<br>-97.464835 | 12-2S-3W:   TD: 7,220'  <br>330' FSL / 2,316' FEL     | --                  |
| X-18   | PIERCE #2                      | 388857   | 2163424 | 34° 24' 02.48"<br>-97° 27' 29.68" | 34.400682<br>-97.458244 | 12-2S-3W:   TD: UNKNOWN'  <br>1,651' FNL / 330' FEL   | --                  |
| X-19   | PIERCE #6A                     | 387537   | 2163429 | 34° 23' 49.40"<br>-97° 27' 29.70" | 34.397055<br>-97.458250 | 12-2S-3W:   TD: 273'  <br>2,319' FSL / 330' FEL       | --                  |
| X-20   | HOWELL #3                      | 386370   | 2162275 | 34° 23' 37.91"<br>-97° 27' 43.54" | 34.393884<br>-97.462098 | 12-2S-3W:   TD: 2,850'  <br>±1,155' FSL / ±1,490' FEL | --                  |
| X-21   | HOWELL #2                      | 387526   | 2162766 | 34° 23' 49.32"<br>-97° 27' 37.61" | 34.397034<br>-97.464047 | 12-2S-3W:   TD: 5,289'  <br>2,310' FSL / 993' FEL     | --                  |
| X-22   | KENNEDY #1                     | 388496   | 2159138 | 34° 23' 59.11"<br>-97° 28' 20.85" | 34.398753<br>-97.472457 | 12-2S-3W:   TD: 9,214'  <br>1,981' FNL / 660' FWL     | --                  |
| X-23   | PIERCE ESTATE #1               | 385873   | 2161782 | 34° 23' 33.03"<br>-97° 27' 49.46" | 34.392507<br>-97.463740 | 12-2S-3W:   TD: 10,040'  <br>660' FSL / 1,985' FEL    | --                  |
| X-24   | AMERADA HESS #1                | 385856   | 2159321 | 34° 23' 32.98"<br>-97° 28' 18.83" | 34.392495<br>-97.471897 | 12-2S-3W:   TD: 9,520'  <br>660' FSL / 830' FWL       | --                  |
| X-25   | QUINTON #1                     | 387186   | 2160465 | 34° 23' 46.08"<br>-97° 28' 05.10" | 34.396133<br>-97.468083 | 12-2S-3W:   TD: 9,372'  <br>1,980' FSL / 1,980' FWL   | --                  |
| X-26   | SWDU #9-1<br>(IMOTICHEY #2-12) | 390172   | 2162757 | 34° 24' 15.50"<br>-97° 27' 37.55" | 34.404308<br>-97.464030 | 12-2S-3W:   TD: 4,420'  <br>330' FNL / 992' FEL       | --                  |

Certificate of Authorization No. 7318



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CURRENT REV.: 1

