

Kingsley Directional LLC



**Rail Road Commission Of Texas
Attn: Oil Conservation Division
PO Box 12967
Austin, TX 78711**

**Re Continental Resources, INC.
UTL 0201A #0301H
Phantom (Wolfcamp)
Ward County, Texas
API# 42-475-38674**

11/20/2023

Enclosed please find a copy of the survey performed on the reference well by Kingsley Directional LLC
Other information required by your office is as followed:

| <u>Name</u> | <u>Drainhole No.</u> | <u>Survey Depths</u> | <u>Dates Performed</u> | <u>Survey Type</u> |
|---------------|----------------------|----------------------|-------------------------|--------------------|
| Geordie Davis | Original Hole | 142' to 1,143' | 11/14/2023 - 11/16/2023 | MWD Survey |

Amber Sewell

Amber Sewell

**Kingsley Directional LLC
RRC Operator # 467192**

Enclosures

CC:

**Continental Resources, INC.
ATTN: Robert Sandbo
PO Box 268870
Oklahoma City, OK 73126**

**Kingsley Directional LLC
8812 Fawn Trl
Conroe, TX 77385
(936) 224 - 7975**

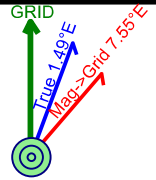


Job Number: KD231332
Company: Continental Resources, INC
Lease/Well: UTL 0201A #0301H
Location: 6.5 miles NW direction from Pyote
Rig Name: Primo 12
State/County: Texas/ Ward
Country: USA
API Number: 42-475-38674

Elev. GL: 2689.00 ft **RKB:** 5.00 ft
System: US State Plane 1983
Group: Texas Central Zone
Datum: GRS80
Mag. Decl.: 6.06° (C:\HawkEye\IGRF2020.mif)
Grid Conv.: -1.49098 W
Date: Monday, November 20, 2023



Calculated by HawkEye Software
 Minimum Curvature Method
 Vertical Section Plane 0.00°
 Northing (US ft): 10544690.00 Easting (US ft): 1395111.00
 Latitude: 31°33'54.2746" N Longitude: -103°13'41.1854" W
 Direction Reference: Grid North

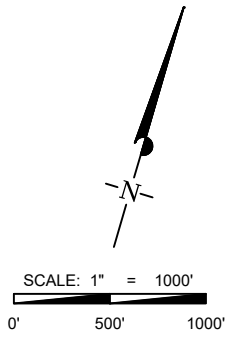


| # | Measured Depth (Ft) | INC Deg | AZM Deg | TVD (Ft) | VS (Ft) | NS (Ft) | EW (Ft) | Closure Dir Deg | Closure (Ft) |
|-----------------------------|---------------------|---------|---------|----------|---------|---------|---------|-----------------|--------------|
| Tie-In Data | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 142.00 | 0.22 | 297.94 | 142.00 | 0.13 | 0.13 | -0.24 | 297.94 | 0.27 |
| 3 | 230.00 | 0.44 | 251.19 | 230.00 | 0.10 | 0.10 | -0.71 | 277.86 | 0.72 |
| 4 | 323.00 | 0.57 | 269.12 | 322.99 | -0.02 | -0.02 | -1.51 | 269.08 | 1.51 |
| 5 | 417.00 | 0.92 | 268.50 | 416.99 | -0.05 | -0.05 | -2.73 | 268.93 | 2.73 |
| 6 | 512.00 | 0.40 | 190.10 | 511.98 | -0.40 | -0.40 | -3.55 | 263.61 | 3.58 |
| 7 | 606.00 | 0.44 | 101.70 | 605.98 | -0.79 | -0.79 | -3.26 | 256.30 | 3.35 |
| 8 | 700.00 | 0.84 | 96.24 | 699.97 | -0.94 | -0.94 | -2.22 | 247.00 | 2.41 |
| 9 | 795.00 | 1.41 | 48.25 | 794.96 | -0.24 | -0.24 | -0.65 | 249.91 | 0.70 |
| 10 | 889.00 | 1.41 | 28.91 | 888.93 | 1.54 | 1.54 | 0.77 | 26.44 | 1.72 |
| 11 | 984.00 | 0.57 | 353.40 | 983.91 | 3.04 | 3.04 | 1.28 | 22.83 | 3.29 |
| 12 | 1078.00 | 0.66 | 330.38 | 1077.91 | 3.97 | 3.97 | 0.96 | 13.55 | 4.08 |
| 13 | 1143.00 | 0.75 | 322.99 | 1142.90 | 4.64 | 4.64 | 0.52 | 6.35 | 4.66 |
| TD Projection to BIT | | | | | | | | | |
| 14 | 1197.00 | 0.75 | 322.99 | 1196.90 | 5.20 | 5.20 | 0.09 | 1.00 | 5.20 |

X=1394449.02
Y=10544372.04
LAT.: 31.5641551
LONG.: W 103.2302053

Bottom Hole Location:
Kingsley Directional MWD
original hole final station
1143' MD Displacement =
4.66' @ 6.35 Deg Azimuth
API# 42-475-38674

CONCRETE MONUMENT
X=1399516.61
Y=10545852.72
LAT.: N 31.5685860
LONG.: W 103.2140630



LEGEND

| | |
|--|-------------------------|
| | UNIT BOUNDARY |
| | BLOCK/TOWNSHIP LINE |
| | SURVEY/SECTION LINE |
| | SURVEY MINERAL BOUNDARY |
| | SUBJECT LATERAL |
| | PROPOSED LATERAL |
| | CONCRETE MONUMENT |
| | NAIL FOUND |

EFFECTIVE LATERAL

| | |
|---------|-----------|
| TRACT 1 | 2543.04' |
| TRACT 2 | 2643.18' |
| TRACT 3 | 2643.18' |
| TRACT 4 | 2543.18' |
| FTP-LTP | 10372.58' |

| LINE | AZIMUTH | DISTANCE |
|------|--------------|----------|
| L1 | AZ = 261.65° | 400.6' |
| L2 | AZ = 163.72° | 275.0' |
| L3 | AZ = 163.72° | 10372.6' |

| # | TRACT | ACREAGE (CALLED) |
|------------------------|----------------------------|------------------|
| 1 | CONTINENTAL RESOURCES, INC | ±320.35 |
| 2 | CONTINENTAL RESOURCES, INC | ±320.35 |
| 3 | CONTINENTAL RESOURCES, INC | ±320.35 |
| 4 | CONTINENTAL RESOURCES, INC | ±320.35 |
| TOTAL ACREAGE (CALLED) | | ±1281.40 |

THIS LOCATION AND BOUNDARY HAS BEEN CAREFULLY SURVEYED ON THE GROUND UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE ACCORDING TO THE EVIDENCE, OFFICIAL SURVEY RECORDS, MAPS, AND OTHER DATA PROVIDED BY CONTINENTAL RESOURCES, INC. THIS PLAN WAS CREATED FOR THE SOLE PURPOSE OF FILING A PERMIT WITH THE RAILROAD COMMISSION OF TEXAS AND SHOULD NOT BE CONSTRUED AS A "BOUNDARY SURVEY" IN COMPLIANCE WITH T.B.P.L.S. MINIMUM STANDARDS OF PROCEDURES FOR BOUNDARY SURVEYS. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS SURVEY AND IS NON-TRANSFERABLE.
THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY

X=1395928.98
Y=10539297.31
LAT.: N 31.5503145
LONG.: W 103.2250315

X=1400998.38
Y=10540777.09
LAT.: N 31.5547425
LONG.: W 103.2088854

X=1397410.85
Y=10534222.98
LAT.: N 31.5364749
LONG.: W 103.2198532

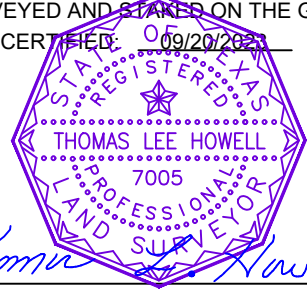
CONCRETE MONUMENT
X=1402480.16
Y=10535701.46
LAT.: N 31.5408987
LONG.: W 103.2037094

| UTL 0201A 0301H | ELEVATION | EASTING (X) (NAD 83) | NORTHING (Y) (NAD 83) | LATITUDE (NAD 83) | LONGITUDE (NAD 83) | EASTING (X) (NAD 27) | NORTHING (Y) (NAD 27) | LATITUDE (NAD 27) | LONGITUDE (NAD 27) | SECTION LINE | | LEASE LINE | | SECTION | | | | |
|--|-----------|-------------------------|--------------------------|----------------------|-----------------------|-------------------------|--------------------------|----------------------|-----------------------|--------------|---------|------------|---------|---------|-----|------|------|---|
| | | | | | | | | | | FOOTAGE | FNL/FSL | FOOTAGE | FEL/FWL | | | | | |
| SURFACE HOLE LOCATION (SHL) | 2689' | X=1395111 | Y=10544690 | N 31.5650769 | W 103.2281065 | X=1098646 | Y=702115 | N 31.5649446 | W 103.2276631 | 120' | FSL | 727' | FWL | 120' | FNL | 737' | FNWC | 3 |
| PENETRATION POINT (PP) | - | X=1394715 | Y=10544632 | N 31.5648886 | W 103.2293737 | X=1098249 | Y=702056 | N 31.5647563 | W 103.2289303 | 175' | FSL | 328' | FWL | 175' | FNL | 374' | FNWC | 3 |
| FIRST TAKE POINT (FTP) | - | X=1394792 | Y=10544368 | N 31.5641687 | W 103.2291042 | X=1098326 | Y=701792 | N 31.5640364 | W 103.2286609 | 100' | FNL | 330' | FWL | 100' | FNL | 330' | FWL | 2 |
| LAST TAKE POINT/ BOTTOM HOLE LOCATION (LTP/BHL) | - | X=1397700 | Y=10534411 | N 31.5370132 | W 103.2189423 | X=1101234 | Y=691836 | N 31.5368803 | W 103.2184997 | 100' | FSL | 330' | FWL | 100' | FSL | 330' | FWL | 1 |



- NOTES:**
1. ORIGINAL DOCUMENT SIZE: 11" X 17"
 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE TEXAS COORDINATE SYSTEM OF 1983, CENTRAL ZONE, U.S. SURVEY FEET.
 3. AREA IS LOCATED APPROXIMATELY 6.5 MILES NORTHWEST OF PYOTE, WARD COUNTY, TEXAS.

CERTIFICATION:
I, THOMAS LEE HOWELL, A REGISTERED PROFESSIONAL LAND SURVEYOR, AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY THAT THE ABOVE DESCRIBED "PRE-CONSTRUCTION" PROPOSED WELL LOCATION WAS SURVEYED AND STAKED ON THE GROUND AS SHOWN HEREIN.
DATE CERTIFIED: 09/20/2023



LEASE NAME & WELL NO.:
UTL 0201A 0301H
LEASE (CALLED) ACREAGE: 1281.40
DATE OF SURVEY: 07/03/2023
DESCRIPTION:
SECTION 3, BLOCK 18, SURVEY, A-U82
WARD COUNTY, TEXAS

| | | | |
|-----------|-------------------------|-----------|------------|
| DATE: | 08/28/2023 | REVISION: | |
| COGO: | WARD_TX83-CF | MML | 09/05/2023 |
| FILE: | LO_UTL_0201A_0301H_REV4 | MAL | 09/11/2023 |
| DRAWN BY: | MML | MAL | 09/13/2023 |
| SHEET: | 1 OF 1 | MAL | 09/20/2023 |

TEXAS REG. NO. 7005



Survey Certification Report

STATE OF TEXAS

11/20/2023

COUNTY OF MONTGOMERY

I, **Amber Sewell**, certify that I am employed by Kingsley Directional LLC, and that I did on the day(s) of November 14, 2023 through November 16, 2023 conduct or supervise the taking of a MWD Survey from the depth of 142 feet MD. to a depth of 1,143 feet MD.; that the data is true, complete, and within the limitations set forth by Kingsley Directional, LLC, that I am authorized and qualified to make this report; that this survey was conducted at the request of Continental Resources, INC for the UTL 0201A #0301H well.

API# 42-475-38674

Amber Sewell
Amber Sewell

Kingsley Directional LLC

RRC Operator # 467192

**Rail Road Commission Of Texas
Attn: Oil Conservation Division
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**Continental Resources, INC.
UTL 0201A #0301H
Phantom (Wolfcamp)
Ward County, Texas
API# 42-475-38674**

Kingsley Directional LLC

**8812 Fawn Trl
Conroe, TX 77385
(936) 224 - 7975**

Job# 42475386740000

Continental Resources, Inc.

Ward County, TX (NAD27)

UTL 0201

UTL 0201A 0301H

OH

Svy



Standard Survey Report

23 January, 2024

Total Report Version 1.60

COMPASS 5000.16 Build 97

Survey Report

| | |
|---|--|
| Company: Continental Resources, Inc. | Local Co-ordinate Reference: Well UTL 0201A 0301H |
| Project: Ward County, TX (NAD27) | TVD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: UTL 0201 | MD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: UTL 0201A 0301H | North Reference: Grid |
| Wellbore: OH | Survey Calculation Method: Minimum Curvature |
| Design: Svy | Database: .Total Directional Production DB |

| | |
|---|-------------------------------------|
| Project Ward County, TX (NAD27) | System Datum: Mean Sea Level |
| Map System: US State Plane 1927 (Exact solution) | |
| Geo Datum: NAD 1927 (NADCON CONUS) | |
| Map Zone: Texas Central 4203 | |

| | |
|--|--|
| Site UTL 0201 | |
| Site Position: | Northing: 701,796.47 usft Latitude: 31.5640228 |
| From: Map | Easting: 1,097,983.49 usft Longitude: -103.2297618 |
| Position Uncertainty: 0.00 usft | Slot Radius: 13-3/16 " |

| | |
|---------------------------------------|---|
| Well UTL 0201A 0301H | |
| Well Position | +N/-S 0.00 usft Northing: 702,115.00 usft Latitude: 31.5649456 |
| | +E/-W 0.00 usft Easting: 1,098,646.00 usft Longitude: -103.2276620 |
| Position Uncertainty 0.50 usft | Wellhead Elevation: usft Ground Level: 2,689.00 usft |
| Grid Convergence: -1.49 ° | |

| | |
|--------------------|--|
| Wellbore OH | |
| Magnetics | Model Name HDGM2023 Sample Date 12/15/2023 Declination (°) 6.68 Dip Angle (°) 59.27 Field Strength (nT) 46,908.20000000 |

| | |
|--------------------------|---|
| Design Svy | |
| Audit Notes: | |
| Version: 1.0 | Phase: ACTUAL Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) (usft) 0.00 +N/-S (usft) 0.00 +E/-W (usft) 0.00 Direction (°) 163.72 |

| | |
|--------------------------|-----------------------|
| Survey Program | Date 1/23/2024 |
| From (usft) | To (usft) |
| 158.60 | 1,159.60 |
| 1,323.00 | 21,594.00 |
| Survey (Wellbore) | Tool Name |
| Survey #1 (OH) | OWSG (Rev2) MWD |
| Survey #2 (OH) | MWD+HRGM |
| Description | |
| OWSG MWD - Standard | |
| OWSG MWD + HRGM | |

| Survey | | | | | | | | | | | | | |
|-----------------------|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 702,115.00 | 1,098,646.00 | 31.5649456 | -103.2276620 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158.60 | 0.22 | 297.94 | 158.60 | 0.14 | -0.27 | 702,115.14 | 1,098,645.73 | 31.5649460 | -103.2276629 | -0.21 | 0.14 | 0.14 | 0.00 |
| 246.60 | 0.44 | 251.19 | 246.60 | 0.11 | -0.74 | 702,115.11 | 1,098,645.26 | 31.5649459 | -103.2276644 | -0.32 | 0.38 | 0.25 | -53.13 |
| 339.60 | 0.57 | 269.12 | 339.59 | -0.01 | -1.54 | 702,114.99 | 1,098,644.46 | 31.5649455 | -103.2276669 | -0.42 | 0.22 | 0.14 | 19.28 |
| 433.60 | 0.92 | 268.50 | 433.59 | -0.04 | -2.76 | 702,114.96 | 1,098,643.24 | 31.5649453 | -103.2276708 | -0.74 | 0.37 | 0.37 | -0.66 |
| 528.60 | 0.40 | 190.10 | 528.58 | -0.38 | -3.58 | 702,114.62 | 1,098,642.42 | 31.5649443 | -103.2276734 | -0.64 | 0.98 | -0.55 | -82.53 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

| Survey | | | | | | | | | | | | | |
|-----------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 622.60 | 0.44 | 101.07 | 622.58 | -0.78 | -3.28 | 702,114.22 | 1,098,642.72 | 31.5649432 | -103.2276725 | -0.18 | 0.63 | 0.04 | -94.71 |
| 716.60 | 0.84 | 96.24 | 716.57 | -0.92 | -2.25 | 702,114.08 | 1,098,643.75 | 31.5649429 | -103.2276691 | 0.25 | 0.43 | 0.43 | -5.14 |
| 811.60 | 1.41 | 48.25 | 811.56 | -0.22 | -0.68 | 702,114.78 | 1,098,645.32 | 31.5649450 | -103.2276642 | 0.02 | 1.11 | 0.60 | -50.52 |
| 905.60 | 1.41 | 28.91 | 905.53 | 1.57 | 0.74 | 702,116.57 | 1,098,646.74 | 31.5649500 | -103.2276597 | -1.30 | 0.50 | 0.00 | -20.57 |
| 1,000.60 | 0.57 | 353.40 | 1,000.51 | 3.06 | 1.25 | 702,118.06 | 1,098,647.25 | 31.5649541 | -103.2276582 | -2.58 | 1.06 | -0.88 | -37.38 |
| 1,094.60 | 0.66 | 330.38 | 1,094.51 | 3.99 | 0.93 | 702,118.99 | 1,098,646.93 | 31.5649566 | -103.2276593 | -3.57 | 0.28 | 0.10 | -24.49 |
| 1,159.60 | 0.75 | 322.99 | 1,159.50 | 4.66 | 0.49 | 702,119.66 | 1,098,646.49 | 31.5649584 | -103.2276608 | -4.33 | 0.20 | 0.14 | -11.37 |
| 1,323.00 | 0.40 | 306.56 | 1,322.90 | 5.85 | -0.61 | 702,120.85 | 1,098,645.39 | 31.5649616 | -103.2276644 | -5.79 | 0.23 | -0.21 | -10.06 |
| 1,414.00 | 0.40 | 298.38 | 1,413.89 | 6.19 | -1.15 | 702,121.19 | 1,098,644.85 | 31.5649625 | -103.2276662 | -6.27 | 0.06 | 0.00 | -8.99 |
| 1,505.00 | 1.32 | 283.44 | 1,504.88 | 6.59 | -2.45 | 702,121.59 | 1,098,643.55 | 31.5649635 | -103.2276704 | -7.01 | 1.03 | 1.01 | -16.42 |
| 1,596.00 | 2.64 | 267.54 | 1,595.83 | 6.74 | -5.56 | 702,121.74 | 1,098,640.44 | 31.5649637 | -103.2276804 | -8.03 | 1.56 | 1.45 | -17.47 |
| 1,687.00 | 5.80 | 259.98 | 1,686.57 | 5.85 | -12.18 | 702,120.85 | 1,098,633.82 | 31.5649608 | -103.2277016 | -9.03 | 3.52 | 3.47 | -8.31 |
| 1,782.00 | 6.02 | 262.17 | 1,781.06 | 4.34 | -21.85 | 702,119.34 | 1,098,624.15 | 31.5649560 | -103.2277325 | -10.29 | 0.33 | 0.23 | 2.31 |
| 1,876.00 | 5.71 | 265.25 | 1,874.57 | 3.28 | -31.39 | 702,118.28 | 1,098,614.61 | 31.5649524 | -103.2277630 | -11.95 | 0.47 | -0.33 | 3.28 |
| 1,971.00 | 5.36 | 267.27 | 1,969.13 | 2.68 | -40.53 | 702,117.68 | 1,098,605.47 | 31.5649501 | -103.2277923 | -13.93 | 0.42 | -0.37 | 2.13 |
| 2,066.00 | 5.76 | 259.89 | 2,063.68 | 1.63 | -49.66 | 702,116.63 | 1,098,596.34 | 31.5649465 | -103.2278215 | -15.48 | 0.86 | 0.42 | -7.77 |
| 2,161.00 | 5.80 | 254.97 | 2,158.20 | -0.45 | -58.99 | 702,114.55 | 1,098,587.01 | 31.5649401 | -103.2278513 | -16.10 | 0.52 | 0.04 | -5.18 |
| 2,256.00 | 4.92 | 257.52 | 2,252.79 | -2.58 | -67.60 | 702,112.42 | 1,098,578.40 | 31.5649337 | -103.2278787 | -16.47 | 0.96 | -0.93 | 2.68 |
| 2,350.00 | 3.38 | 265.87 | 2,346.54 | -3.65 | -74.30 | 702,111.35 | 1,098,571.70 | 31.5649303 | -103.2279002 | -17.32 | 1.76 | -1.64 | 8.88 |
| 2,443.00 | 4.22 | 258.04 | 2,439.33 | -4.56 | -80.38 | 702,110.44 | 1,098,565.62 | 31.5649273 | -103.2279196 | -18.16 | 1.06 | 0.90 | -8.42 |
| 2,537.00 | 4.35 | 253.12 | 2,533.07 | -6.31 | -87.18 | 702,108.69 | 1,098,558.82 | 31.5649220 | -103.2279413 | -18.38 | 0.41 | 0.14 | -5.23 |
| 2,631.00 | 4.35 | 250.84 | 2,626.80 | -8.51 | -93.95 | 702,106.49 | 1,098,552.05 | 31.5649155 | -103.2279628 | -18.17 | 0.18 | 0.00 | -2.43 |
| 2,726.00 | 5.54 | 250.84 | 2,721.44 | -11.20 | -101.69 | 702,103.80 | 1,098,544.31 | 31.5649075 | -103.2279874 | -17.75 | 1.25 | 1.25 | 0.00 |
| 2,820.00 | 6.64 | 254.88 | 2,814.91 | -14.11 | -111.22 | 702,100.89 | 1,098,534.78 | 31.5648989 | -103.2280178 | -17.64 | 1.26 | 1.17 | 4.30 |
| 2,915.00 | 6.15 | 259.19 | 2,909.32 | -16.50 | -121.52 | 702,098.50 | 1,098,524.48 | 31.5648916 | -103.2280507 | -18.23 | 0.72 | -0.52 | 4.54 |
| 3,010.00 | 5.93 | 265.95 | 3,003.79 | -17.80 | -131.42 | 702,097.20 | 1,098,514.58 | 31.5648873 | -103.2280823 | -19.76 | 0.78 | -0.23 | 7.12 |
| 3,104.00 | 4.44 | 266.66 | 3,097.41 | -18.35 | -139.89 | 702,096.65 | 1,098,506.11 | 31.5648852 | -103.2281095 | -21.60 | 1.59 | -1.59 | 0.76 |
| 3,199.00 | 3.03 | 248.29 | 3,192.21 | -19.49 | -145.90 | 702,095.51 | 1,098,500.10 | 31.5648816 | -103.2281286 | -22.19 | 1.93 | -1.48 | -19.34 |
| 3,292.00 | 3.21 | 218.93 | 3,285.07 | -22.43 | -149.82 | 702,092.57 | 1,098,496.18 | 31.5648732 | -103.2281410 | -20.47 | 1.71 | 0.19 | -31.57 |
| 3,386.00 | 3.16 | 207.59 | 3,378.93 | -26.77 | -152.67 | 702,088.23 | 1,098,493.33 | 31.5648611 | -103.2281498 | -17.10 | 0.67 | -0.05 | -12.06 |
| 3,480.00 | 5.58 | 220.69 | 3,472.65 | -32.54 | -156.85 | 702,082.46 | 1,098,489.15 | 31.5648450 | -103.2281627 | -12.74 | 2.77 | 2.57 | 13.94 |
| 3,574.00 | 4.09 | 207.24 | 3,566.32 | -38.98 | -161.37 | 702,076.02 | 1,098,484.63 | 31.5648269 | -103.2281767 | -7.82 | 1.98 | -1.59 | -14.31 |
| 3,667.00 | 2.68 | 160.31 | 3,659.17 | -43.98 | -162.15 | 702,071.02 | 1,098,483.85 | 31.5648131 | -103.2281788 | -3.24 | 3.21 | -1.52 | -50.46 |
| 3,761.00 | 2.51 | 167.69 | 3,753.07 | -48.06 | -160.97 | 702,066.94 | 1,098,485.03 | 31.5648020 | -103.2281746 | 1.01 | 0.40 | -0.18 | 7.85 |
| 3,855.00 | 4.04 | 182.98 | 3,846.92 | -53.38 | -160.71 | 702,061.62 | 1,098,485.29 | 31.5647874 | -103.2281733 | 6.19 | 1.86 | 1.63 | 16.27 |
| 3,950.00 | 5.23 | 210.23 | 3,941.62 | -60.46 | -163.06 | 702,054.54 | 1,098,482.94 | 31.5647678 | -103.2281803 | 12.33 | 2.60 | 1.25 | 28.68 |
| 4,044.00 | 6.11 | 216.73 | 4,035.16 | -68.17 | -168.21 | 702,046.83 | 1,098,477.79 | 31.5647462 | -103.2281962 | 18.28 | 1.16 | 0.94 | 6.91 |
| 4,139.00 | 6.29 | 230.80 | 4,129.61 | -75.51 | -175.27 | 702,039.49 | 1,098,470.73 | 31.5647255 | -103.2282182 | 23.35 | 1.61 | 0.19 | 14.81 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

| Survey | | | | | | | | | | | | | |
|-----------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,234.00 | 7.65 | 239.32 | 4,223.91 | -82.03 | -184.74 | 702,032.97 | 1,098,461.26 | 31.5647069 | -103.2282481 | 26.95 | 1.79 | 1.43 | 8.97 |
| 4,328.00 | 7.52 | 247.32 | 4,317.09 | -87.59 | -195.79 | 702,027.41 | 1,098,450.21 | 31.5646909 | -103.2282831 | 29.19 | 1.13 | -0.14 | 8.51 |
| 4,423.00 | 6.90 | 256.94 | 4,411.34 | -91.28 | -207.09 | 702,023.72 | 1,098,438.91 | 31.5646799 | -103.2283190 | 29.57 | 1.43 | -0.65 | 10.13 |
| 4,517.00 | 5.45 | 257.78 | 4,504.79 | -93.50 | -216.95 | 702,021.50 | 1,098,429.05 | 31.5646731 | -103.2283505 | 28.93 | 1.55 | -1.54 | 0.89 |
| 4,611.00 | 3.56 | 256.99 | 4,598.50 | -95.10 | -224.16 | 702,019.90 | 1,098,421.84 | 31.5646682 | -103.2283735 | 28.45 | 2.01 | -2.01 | -0.84 |
| 4,706.00 | 5.45 | 253.91 | 4,693.20 | -97.02 | -231.37 | 702,017.98 | 1,098,414.63 | 31.5646624 | -103.2283965 | 28.27 | 2.00 | 1.99 | -3.24 |
| 4,800.00 | 6.20 | 258.48 | 4,786.71 | -99.27 | -240.63 | 702,015.73 | 1,098,405.37 | 31.5646556 | -103.2284260 | 27.83 | 0.94 | 0.80 | 4.86 |
| 4,895.00 | 5.80 | 258.66 | 4,881.19 | -101.24 | -250.36 | 702,013.76 | 1,098,395.64 | 31.5646495 | -103.2284571 | 26.99 | 0.42 | -0.42 | 0.19 |
| 4,989.00 | 5.49 | 262.96 | 4,974.74 | -102.72 | -259.48 | 702,012.28 | 1,098,386.52 | 31.5646447 | -103.2284863 | 25.86 | 0.56 | -0.33 | 4.57 |
| 5,084.00 | 7.25 | 271.14 | 5,069.15 | -103.16 | -269.99 | 702,011.84 | 1,098,376.01 | 31.5646428 | -103.2285199 | 23.34 | 2.08 | 1.85 | 8.61 |
| 5,179.00 | 7.12 | 272.28 | 5,163.40 | -102.81 | -281.87 | 702,012.19 | 1,098,364.13 | 31.5646429 | -103.2285581 | 19.67 | 0.20 | -0.14 | 1.20 |
| 5,273.00 | 7.25 | 271.49 | 5,256.66 | -102.42 | -293.62 | 702,012.58 | 1,098,352.38 | 31.5646431 | -103.2285958 | 16.00 | 0.17 | 0.14 | -0.84 |
| 5,369.00 | 7.03 | 268.77 | 5,351.92 | -102.39 | -305.54 | 702,012.61 | 1,098,340.46 | 31.5646424 | -103.2286341 | 12.63 | 0.42 | -0.23 | -2.83 |
| 5,464.00 | 6.99 | 268.59 | 5,446.21 | -102.66 | -317.14 | 702,012.34 | 1,098,328.86 | 31.5646408 | -103.2286713 | 9.64 | 0.05 | -0.04 | -0.19 |
| 5,559.00 | 6.46 | 269.12 | 5,540.56 | -102.88 | -328.26 | 702,012.12 | 1,098,317.74 | 31.5646394 | -103.2287070 | 6.73 | 0.56 | -0.56 | 0.56 |
| 5,653.00 | 6.37 | 267.27 | 5,633.97 | -103.21 | -338.75 | 702,011.79 | 1,098,307.25 | 31.5646377 | -103.2287406 | 4.11 | 0.24 | -0.10 | -1.97 |
| 5,748.00 | 5.98 | 266.74 | 5,728.42 | -103.74 | -348.96 | 702,011.26 | 1,098,297.04 | 31.5646355 | -103.2287733 | 1.76 | 0.41 | -0.41 | -0.56 |
| 5,842.00 | 5.58 | 267.97 | 5,821.94 | -104.18 | -358.41 | 702,010.82 | 1,098,287.59 | 31.5646336 | -103.2288037 | -0.47 | 0.45 | -0.43 | 1.31 |
| 5,936.00 | 5.05 | 264.11 | 5,915.53 | -104.77 | -367.10 | 702,010.23 | 1,098,278.90 | 31.5646314 | -103.2288315 | -2.34 | 0.68 | -0.56 | -4.11 |
| 6,031.00 | 4.57 | 264.63 | 6,010.20 | -105.55 | -375.02 | 702,009.45 | 1,098,270.98 | 31.5646287 | -103.2288569 | -3.81 | 0.51 | -0.51 | 0.55 |
| 6,126.00 | 3.74 | 258.39 | 6,104.95 | -106.53 | -381.83 | 702,008.47 | 1,098,264.17 | 31.5646255 | -103.2288786 | -4.78 | 0.99 | -0.87 | -6.57 |
| 6,221.00 | 3.30 | 255.05 | 6,199.77 | -107.86 | -387.50 | 702,007.14 | 1,098,258.50 | 31.5646215 | -103.2288967 | -5.09 | 0.51 | -0.46 | -3.52 |
| 6,315.00 | 2.20 | 278.96 | 6,293.66 | -108.28 | -391.90 | 702,006.72 | 1,098,254.10 | 31.5646200 | -103.2289108 | -5.93 | 1.67 | -1.17 | 25.44 |
| 6,410.00 | 1.67 | 329.06 | 6,388.61 | -106.81 | -394.41 | 702,008.19 | 1,098,251.59 | 31.5646239 | -103.2289190 | -8.04 | 1.80 | -0.56 | 52.74 |
| 6,504.00 | 1.32 | 317.81 | 6,482.58 | -104.83 | -395.85 | 702,010.17 | 1,098,250.15 | 31.5646292 | -103.2289237 | -10.34 | 0.48 | -0.37 | -11.97 |
| 6,599.00 | 1.32 | 318.16 | 6,577.56 | -103.20 | -397.31 | 702,011.80 | 1,098,248.69 | 31.5646336 | -103.2289286 | -12.31 | 0.01 | 0.00 | 0.37 |
| 6,693.00 | 1.36 | 315.44 | 6,671.53 | -101.60 | -398.81 | 702,013.40 | 1,098,247.19 | 31.5646378 | -103.2289335 | -14.27 | 0.08 | 0.04 | -2.89 |
| 6,786.00 | 1.14 | 313.44 | 6,764.51 | -100.18 | -400.26 | 702,014.82 | 1,098,245.74 | 31.5646417 | -103.2289383 | -16.04 | 0.24 | -0.24 | -2.15 |
| 6,880.00 | 1.10 | 303.75 | 6,858.49 | -99.03 | -401.69 | 702,015.97 | 1,098,244.31 | 31.5646447 | -103.2289430 | -17.54 | 0.21 | -0.04 | -10.31 |
| 6,975.00 | 1.19 | 281.77 | 6,953.47 | -98.33 | -403.41 | 702,016.67 | 1,098,242.59 | 31.5646465 | -103.2289486 | -18.71 | 0.47 | 0.09 | -23.14 |
| 7,069.00 | 1.19 | 273.25 | 7,047.45 | -98.07 | -405.34 | 702,016.93 | 1,098,240.66 | 31.5646471 | -103.2289548 | -19.49 | 0.19 | 0.00 | -9.06 |
| 7,162.00 | 1.01 | 167.69 | 7,140.44 | -98.82 | -406.13 | 702,016.18 | 1,098,239.87 | 31.5646450 | -103.2289573 | -19.00 | 1.89 | -0.19 | -113.51 |
| 7,256.00 | 1.36 | 171.56 | 7,234.42 | -100.73 | -405.79 | 702,014.27 | 1,098,240.21 | 31.5646397 | -103.2289560 | -17.06 | 0.38 | 0.37 | 4.12 |
| 7,350.00 | 1.76 | 192.12 | 7,328.39 | -103.25 | -405.93 | 702,011.75 | 1,098,240.07 | 31.5646328 | -103.2289563 | -14.69 | 0.73 | 0.43 | 21.87 |
| 7,444.00 | 0.53 | 137.54 | 7,422.37 | -104.98 | -405.94 | 702,010.02 | 1,098,240.06 | 31.5646281 | -103.2289561 | -13.03 | 1.61 | -1.31 | -58.06 |
| 7,537.00 | 1.01 | 67.41 | 7,515.36 | -104.98 | -404.89 | 702,010.02 | 1,098,241.11 | 31.5646281 | -103.2289528 | -12.73 | 1.04 | 0.52 | -75.41 |
| 7,632.00 | 1.05 | 100.89 | 7,610.35 | -104.82 | -403.27 | 702,010.18 | 1,098,242.73 | 31.5646287 | -103.2289476 | -12.43 | 0.63 | 0.04 | 35.24 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

| Survey | | | | | | | | | | | | | |
|--|-------|--------|-----------|-------------------|---------|-----------------|--------------|-----------------|--------------|----------|-------------|-------------|-------------|
| Measured | | | Vertical | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical | Dogleg | Build | Turn |
| Depth | INC | AZI | Depth | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Section | Rate | Rate | Rate |
| (usft) | (°) | (°) | (usft) | (usft) | (usft) | (usft) | (usft) | (°) | (°) | (usft) | (%/100usft) | (%/100usft) | (%/100usft) |
| 7,724.00 | 1.14 | 125.06 | 7,702.33 | -105.51 | -401.69 | 702,009.49 | 1,098,244.31 | 31.5646269 | -103.2289424 | -11.33 | 0.51 | 0.10 | 26.27 |
| 7,817.00 | 1.19 | 148.53 | 7,795.31 | -106.86 | -400.43 | 702,008.14 | 1,098,245.57 | 31.5646233 | -103.2289383 | -9.67 | 0.51 | 0.05 | 25.24 |
| 7,911.00 | 1.27 | 160.75 | 7,889.29 | -108.68 | -399.58 | 702,006.32 | 1,098,246.42 | 31.5646183 | -103.2289354 | -7.69 | 0.29 | 0.09 | 13.00 |
| 8,004.00 | 0.70 | 205.13 | 7,982.28 | -110.17 | -399.48 | 702,004.83 | 1,098,246.52 | 31.5646143 | -103.2289350 | -6.24 | 0.98 | -0.61 | 47.72 |
| 8,098.00 | 0.92 | 258.83 | 8,076.27 | -110.83 | -400.46 | 702,004.17 | 1,098,245.54 | 31.5646124 | -103.2289381 | -5.87 | 0.81 | 0.23 | 57.13 |
| 8,193.00 | 1.01 | 211.72 | 8,171.26 | -111.69 | -401.65 | 702,003.31 | 1,098,244.35 | 31.5646099 | -103.2289418 | -5.38 | 0.82 | 0.09 | -49.59 |
| 8,287.00 | 1.71 | 196.87 | 8,265.23 | -113.74 | -402.49 | 702,001.26 | 1,098,243.51 | 31.5646042 | -103.2289443 | -3.65 | 0.83 | 0.74 | -15.80 |
| 8,383.00 | 1.41 | 195.46 | 8,361.20 | -116.25 | -403.22 | 701,998.75 | 1,098,242.78 | 31.5645973 | -103.2289465 | -1.45 | 0.32 | -0.31 | -1.47 |
| 8,477.00 | 0.84 | 213.04 | 8,455.18 | -117.94 | -403.91 | 701,997.06 | 1,098,242.09 | 31.5645926 | -103.2289485 | -0.02 | 0.70 | -0.61 | 18.70 |
| 8,571.00 | 0.88 | 188.35 | 8,549.17 | -119.23 | -404.39 | 701,995.77 | 1,098,241.61 | 31.5645890 | -103.2289500 | 1.09 | 0.39 | 0.04 | -26.27 |
| 8,673.00 | 1.89 | 169.89 | 8,651.14 | -121.66 | -404.21 | 701,993.34 | 1,098,241.79 | 31.5645823 | -103.2289492 | 3.47 | 1.07 | 0.99 | -18.10 |
| 8,767.00 | 1.19 | 140.53 | 8,745.10 | -123.94 | -403.31 | 701,991.06 | 1,098,242.69 | 31.5645761 | -103.2289461 | 5.91 | 1.10 | -0.74 | -31.23 |
| 8,862.00 | 1.32 | 134.03 | 8,840.08 | -125.47 | -401.90 | 701,989.53 | 1,098,244.10 | 31.5645720 | -103.2289415 | 7.77 | 0.20 | 0.14 | -6.84 |
| 8,957.00 | 1.32 | 162.68 | 8,935.06 | -127.27 | -400.79 | 701,987.73 | 1,098,245.21 | 31.5645672 | -103.2289377 | 9.81 | 0.69 | 0.00 | 30.16 |
| 9,051.00 | 1.63 | 172.44 | 9,029.03 | -129.63 | -400.29 | 701,985.37 | 1,098,245.71 | 31.5645607 | -103.2289359 | 12.22 | 0.42 | 0.33 | 10.38 |
| 9,145.00 | 0.97 | 194.32 | 9,123.00 | -131.73 | -400.31 | 701,983.27 | 1,098,245.69 | 31.5645549 | -103.2289358 | 14.22 | 0.87 | -0.70 | 23.28 |
| 9,240.00 | 0.44 | 146.33 | 9,217.99 | -132.81 | -400.31 | 701,982.19 | 1,098,245.69 | 31.5645520 | -103.2289357 | 15.26 | 0.79 | -0.56 | -50.52 |
| 9,333.00 | 1.01 | 103.71 | 9,310.99 | -133.30 | -399.31 | 701,981.70 | 1,098,246.69 | 31.5645507 | -103.2289325 | 16.02 | 0.80 | 0.61 | -45.83 |
| 9,428.00 | 0.92 | 111.00 | 9,405.97 | -133.77 | -397.79 | 701,981.23 | 1,098,248.21 | 31.5645495 | -103.2289276 | 16.90 | 0.16 | -0.09 | 7.67 |
| 9,521.00 | 0.92 | 130.16 | 9,498.96 | -134.52 | -396.52 | 701,980.48 | 1,098,249.48 | 31.5645475 | -103.2289234 | 17.97 | 0.33 | 0.00 | 20.60 |
| 9,616.00 | 1.10 | 152.57 | 9,593.95 | -135.82 | -395.52 | 701,979.18 | 1,098,250.48 | 31.5645440 | -103.2289201 | 19.50 | 0.45 | 0.19 | 23.59 |
| 9,711.00 | 1.71 | 150.38 | 9,688.92 | -137.86 | -394.40 | 701,977.14 | 1,098,251.60 | 31.5645385 | -103.2289163 | 21.77 | 0.64 | 0.64 | -2.31 |
| 9,805.00 | 1.36 | 192.74 | 9,782.89 | -140.17 | -393.95 | 701,974.83 | 1,098,252.05 | 31.5645322 | -103.2289147 | 24.11 | 1.23 | -0.37 | 45.06 |
| 9,900.00 | 1.23 | 209.35 | 9,877.86 | -142.16 | -394.70 | 701,972.84 | 1,098,251.30 | 31.5645267 | -103.2289169 | 25.81 | 0.42 | -0.14 | 17.48 |
| 9,994.00 | 1.36 | 228.86 | 9,971.84 | -143.77 | -396.03 | 701,971.23 | 1,098,249.97 | 31.5645221 | -103.2289211 | 26.99 | 0.49 | 0.14 | 20.76 |
| 10,089.00 | 0.44 | 194.32 | 10,066.83 | -144.87 | -396.97 | 701,970.13 | 1,098,249.03 | 31.5645191 | -103.2289240 | 27.78 | 1.08 | -0.97 | -36.36 |
| 10,183.00 | 0.88 | 170.68 | 10,160.82 | -145.93 | -396.94 | 701,969.07 | 1,098,249.06 | 31.5645162 | -103.2289238 | 28.80 | 0.54 | 0.47 | -25.15 |
| 10,278.00 | 1.14 | 166.99 | 10,255.81 | -147.57 | -396.61 | 701,967.43 | 1,098,249.39 | 31.5645117 | -103.2289226 | 30.47 | 0.28 | 0.27 | -3.88 |
| 10,372.00 | 1.19 | 158.81 | 10,349.79 | -149.39 | -396.05 | 701,965.61 | 1,098,249.95 | 31.5645067 | -103.2289207 | 32.38 | 0.18 | 0.05 | -8.70 |
| 10,467.00 | 1.23 | 143.96 | 10,444.77 | -151.14 | -395.09 | 701,963.86 | 1,098,250.91 | 31.5645020 | -103.2289175 | 34.32 | 0.33 | 0.04 | -15.63 |
| 10,520.50 | 1.21 | 140.67 | 10,498.25 | -152.04 | -394.40 | 701,962.96 | 1,098,251.60 | 31.5644996 | -103.2289152 | 35.38 | 0.14 | -0.05 | -6.15 |
| TOP Liner Ext: 10520.50' MD (306' FWL, 84' FSL) | | | | | | | | | | | | | |
| 10,560.00 | 1.19 | 138.16 | 10,537.75 | -152.66 | -393.86 | 701,962.34 | 1,098,252.14 | 31.5644979 | -103.2289134 | 36.13 | 0.14 | -0.04 | -6.35 |
| 10,655.00 | 1.19 | 134.03 | 10,632.73 | -154.08 | -392.49 | 701,960.92 | 1,098,253.51 | 31.5644941 | -103.2289089 | 37.88 | 0.09 | 0.00 | -4.35 |
| 10,684.00 | 1.19 | 129.28 | 10,661.72 | -154.48 | -392.04 | 701,960.52 | 1,098,253.96 | 31.5644930 | -103.2289074 | 38.39 | 0.34 | 0.00 | -16.38 |
| 10,789.00 | 1.36 | 127.44 | 10,766.69 | -155.93 | -390.21 | 701,959.07 | 1,098,255.79 | 31.5644891 | -103.2289014 | 40.29 | 0.17 | 0.16 | -1.75 |
| KOP: 10789.00' MD (308' BWL, 79' FSL) | | | | | | | | | | | | | |
| 10,882.00 | 11.12 | 147.74 | 10,859.03 | -164.21 | -384.53 | 701,950.79 | 1,098,261.47 | 31.5644668 | -103.2288825 | 49.82 | 10.60 | 10.49 | 21.83 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

| Survey | | | | | | | | | | | | | |
|--|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 10,975.00 | 28.84 | 158.02 | 10,946.11 | -192.83 | -371.24 | 701,922.17 | 1,098,274.76 | 31.5643891 | -103.2288374 | 81.02 | 19.35 | 19.05 | 11.05 |
| 11,045.50 | 38.80 | 161.55 | 11,004.62 | -229.64 | -357.85 | 701,885.36 | 1,098,288.15 | 31.5642889 | -103.2287914 | 120.11 | 14.39 | 14.12 | 5.01 |
| Unit Entry: 11045.50' MD (319' FWL) | | | | | | | | | | | | | |
| 11,067.00 | 41.85 | 162.33 | 11,021.01 | -242.87 | -353.54 | 701,872.13 | 1,098,292.46 | 31.5642528 | -103.2287764 | 134.02 | 14.39 | 14.20 | 3.63 |
| 11,160.00 | 52.13 | 164.97 | 11,084.36 | -308.06 | -334.55 | 701,806.94 | 1,098,311.45 | 31.5640750 | -103.2287100 | 201.92 | 11.25 | 11.05 | 2.84 |
| 11,182.70 | 53.13 | 164.79 | 11,098.14 | -325.47 | -329.85 | 701,789.53 | 1,098,316.15 | 31.5640275 | -103.2286935 | 219.96 | 4.44 | 4.39 | -0.81 |
| HL Cross: 11182.70' MD (319' FWL, 100' FNL) | | | | | | | | | | | | | |
| 11,251.00 | 56.13 | 164.26 | 11,137.67 | -379.14 | -314.98 | 701,735.86 | 1,098,331.02 | 31.5638811 | -103.2286413 | 275.64 | 4.44 | 4.40 | -0.77 |
| 11,342.00 | 63.65 | 163.82 | 11,183.29 | -454.77 | -293.34 | 701,660.23 | 1,098,352.66 | 31.5636748 | -103.2285655 | 354.30 | 8.27 | 8.26 | -0.48 |
| 11,434.00 | 68.31 | 165.14 | 11,220.73 | -535.72 | -270.88 | 701,579.28 | 1,098,375.12 | 31.5634539 | -103.2284867 | 438.30 | 5.23 | 5.07 | 1.43 |
| 11,526.00 | 82.64 | 161.45 | 11,243.75 | -620.75 | -245.26 | 701,494.25 | 1,098,400.74 | 31.5632220 | -103.2283973 | 527.11 | 16.05 | 15.58 | -4.01 |
| 11,618.00 | 93.27 | 161.19 | 11,247.03 | -707.73 | -215.86 | 701,407.27 | 1,098,430.14 | 31.5629851 | -103.2282957 | 618.84 | 11.56 | 11.55 | -0.28 |
| Land: 11618.00' MD | | | | | | | | | | | | | |
| 11,709.00 | 88.66 | 161.63 | 11,245.50 | -793.94 | -186.86 | 701,321.06 | 1,098,459.14 | 31.5627502 | -103.2281954 | 709.73 | 5.09 | -5.07 | 0.48 |
| 11,800.00 | 87.43 | 160.75 | 11,248.61 | -880.03 | -157.54 | 701,234.97 | 1,098,488.46 | 31.5625158 | -103.2280941 | 800.58 | 1.66 | -1.35 | -0.97 |
| 11,893.00 | 92.22 | 161.72 | 11,248.89 | -968.06 | -127.63 | 701,146.94 | 1,098,518.37 | 31.5622760 | -103.2279908 | 893.47 | 5.26 | 5.15 | 1.04 |
| 11,985.00 | 92.62 | 163.38 | 11,245.00 | -1,055.74 | -100.07 | 701,059.26 | 1,098,545.93 | 31.5620369 | -103.2278950 | 985.36 | 1.85 | 0.43 | 1.80 |
| 12,076.00 | 90.02 | 162.24 | 11,242.91 | -1,142.65 | -73.18 | 700,972.35 | 1,098,572.82 | 31.5618000 | -103.2278014 | 1,076.32 | 3.12 | -2.86 | -1.25 |
| 12,168.00 | 90.24 | 162.15 | 11,242.70 | -1,230.24 | -45.05 | 700,884.76 | 1,098,600.95 | 31.5615613 | -103.2277038 | 1,168.28 | 0.26 | 0.24 | -0.10 |
| 12,262.00 | 90.59 | 161.45 | 11,242.02 | -1,319.53 | -15.69 | 700,795.47 | 1,098,630.31 | 31.5613180 | -103.2276021 | 1,262.23 | 0.83 | 0.37 | -0.74 |
| 12,355.00 | 90.33 | 160.92 | 11,241.27 | -1,407.56 | 14.30 | 700,707.44 | 1,098,660.30 | 31.5610782 | -103.2274985 | 1,355.13 | 0.63 | -0.28 | -0.57 |
| 12,449.00 | 92.31 | 166.29 | 11,239.10 | -1,497.68 | 40.82 | 700,617.32 | 1,098,686.82 | 31.5608325 | -103.2274059 | 1,449.07 | 6.09 | 2.11 | 5.71 |
| 12,543.00 | 91.65 | 166.37 | 11,235.86 | -1,588.96 | 63.02 | 700,526.04 | 1,098,709.02 | 31.5605832 | -103.2273270 | 1,542.91 | 0.71 | -0.70 | 0.09 |
| 12,638.00 | 90.95 | 161.89 | 11,233.70 | -1,680.29 | 88.98 | 700,434.71 | 1,098,734.98 | 31.5603340 | -103.2272360 | 1,637.86 | 4.77 | -0.74 | -4.72 |
| 12,732.00 | 90.07 | 160.92 | 11,232.86 | -1,769.38 | 118.96 | 700,345.62 | 1,098,764.96 | 31.5600913 | -103.2271324 | 1,731.78 | 1.39 | -0.94 | -1.03 |
| 12,825.00 | 90.33 | 160.66 | 11,232.54 | -1,857.20 | 149.56 | 700,257.80 | 1,098,795.56 | 31.5598522 | -103.2270269 | 1,824.66 | 0.40 | 0.28 | -0.28 |
| 12,919.00 | 90.59 | 162.42 | 11,231.78 | -1,946.36 | 179.32 | 700,168.64 | 1,098,825.32 | 31.5596093 | -103.2269239 | 1,918.58 | 1.89 | 0.28 | 1.87 |
| 13,013.00 | 89.85 | 162.68 | 11,231.42 | -2,036.03 | 207.51 | 700,078.97 | 1,098,853.51 | 31.5593648 | -103.2268259 | 2,012.56 | 0.83 | -0.79 | 0.28 |
| 13,107.00 | 88.97 | 162.07 | 11,232.39 | -2,125.61 | 235.97 | 699,989.39 | 1,098,881.97 | 31.5591207 | -103.2267271 | 2,106.53 | 1.14 | -0.94 | -0.65 |
| 13,201.00 | 88.97 | 164.35 | 11,234.08 | -2,215.58 | 263.11 | 699,899.42 | 1,098,909.11 | 31.5588753 | -103.2266325 | 2,200.50 | 2.43 | 0.00 | 2.43 |
| 13,296.00 | 89.14 | 163.56 | 11,235.65 | -2,306.87 | 289.37 | 699,808.13 | 1,098,935.37 | 31.5586263 | -103.2265406 | 2,295.49 | 0.85 | 0.18 | -0.83 |
| 13,390.00 | 91.34 | 163.91 | 11,235.25 | -2,397.10 | 315.69 | 699,717.90 | 1,098,961.69 | 31.5583802 | -103.2264486 | 2,389.48 | 2.37 | 2.34 | 0.37 |
| 13,484.00 | 90.42 | 162.51 | 11,233.81 | -2,487.08 | 342.84 | 699,627.92 | 1,098,988.84 | 31.5581349 | -103.2263539 | 2,483.47 | 1.78 | -0.98 | -1.49 |
| 13,578.00 | 92.35 | 160.40 | 11,231.54 | -2,576.16 | 372.73 | 699,538.84 | 1,099,018.73 | 31.5578922 | -103.2262506 | 2,577.35 | 3.04 | 2.05 | -2.24 |
| 13,673.00 | 91.16 | 163.38 | 11,228.63 | -2,666.40 | 402.24 | 699,448.60 | 1,099,048.24 | 31.5576463 | -103.2261483 | 2,672.25 | 3.38 | -1.25 | 3.14 |
| 13,767.00 | 91.47 | 162.51 | 11,226.47 | -2,756.25 | 429.80 | 699,358.75 | 1,099,075.80 | 31.5574013 | -103.2260524 | 2,766.21 | 0.98 | 0.33 | -0.93 |
| 13,861.00 | 89.67 | 161.19 | 11,225.54 | -2,845.56 | 459.08 | 699,269.44 | 1,099,105.08 | 31.5571580 | -103.2259510 | 2,860.15 | 2.37 | -1.91 | -1.40 |
| 13,955.00 | 90.86 | 162.51 | 11,225.10 | -2,934.88 | 488.36 | 699,180.12 | 1,099,134.36 | 31.5569146 | -103.2258495 | 2,954.10 | 1.89 | 1.27 | 1.40 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

| Survey | | | | | | | | | | | | | |
|---|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,049.00 | 91.47 | 164.00 | 11,223.19 | -3,024.87 | 515.43 | 699,090.13 | 1,099,161.43 | 31.5566692 | -103.2257551 | 3,048.07 | 1.71 | 0.65 | 1.59 |
| 14,142.00 | 90.24 | 163.82 | 11,221.80 | -3,114.21 | 541.21 | 699,000.79 | 1,099,187.21 | 31.5564255 | -103.2256650 | 3,141.06 | 1.34 | -1.32 | -0.19 |
| 14,237.00 | 87.96 | 165.05 | 11,223.29 | -3,205.71 | 566.69 | 698,909.29 | 1,099,212.69 | 31.5561759 | -103.2255755 | 3,236.03 | 2.73 | -2.40 | 1.29 |
| 14,330.00 | 88.40 | 164.09 | 11,226.25 | -3,295.31 | 591.42 | 698,819.69 | 1,099,237.42 | 31.5559314 | -103.2254887 | 3,328.98 | 1.14 | 0.47 | -1.03 |
| 14,424.00 | 88.26 | 162.59 | 11,228.99 | -3,385.33 | 618.36 | 698,729.67 | 1,099,264.36 | 31.5556859 | -103.2253947 | 3,422.93 | 1.60 | -0.15 | -1.60 |
| 14,518.00 | 88.13 | 164.00 | 11,231.95 | -3,475.31 | 645.36 | 698,639.69 | 1,099,291.36 | 31.5554405 | -103.2253005 | 3,516.88 | 1.51 | -0.14 | 1.50 |
| 14,613.00 | 90.11 | 167.87 | 11,233.41 | -3,567.43 | 668.44 | 698,547.57 | 1,099,314.44 | 31.5551890 | -103.2252188 | 3,611.77 | 4.58 | 2.08 | 4.07 |
| 14,707.00 | 90.15 | 168.57 | 11,233.20 | -3,659.45 | 687.63 | 698,455.55 | 1,099,333.63 | 31.5549375 | -103.2251495 | 3,705.48 | 0.75 | 0.04 | 0.74 |
| 14,801.00 | 90.90 | 166.28 | 11,232.33 | -3,751.18 | 708.10 | 698,363.82 | 1,099,354.10 | 31.5546868 | -103.2250762 | 3,799.28 | 2.56 | 0.80 | -2.44 |
| 14,895.00 | 90.81 | 167.08 | 11,230.93 | -3,842.65 | 729.75 | 698,272.35 | 1,099,375.75 | 31.5544370 | -103.2249991 | 3,893.14 | 0.86 | -0.10 | 0.85 |
| 14,989.00 | 89.01 | 162.51 | 11,231.08 | -3,933.33 | 754.40 | 698,181.67 | 1,099,400.40 | 31.5541896 | -103.2249124 | 3,987.09 | 5.23 | -1.91 | -4.86 |
| 15,083.00 | 88.75 | 161.10 | 11,232.92 | -4,022.61 | 783.74 | 698,092.39 | 1,099,429.74 | 31.5539463 | -103.2248108 | 4,081.02 | 1.53 | -0.28 | -1.50 |
| 15,177.00 | 88.22 | 159.78 | 11,235.40 | -4,111.15 | 815.20 | 698,003.85 | 1,099,461.20 | 31.5537052 | -103.2247024 | 4,174.83 | 1.51 | -0.56 | -1.40 |
| 15,271.00 | 89.14 | 169.99 | 11,237.57 | -4,201.75 | 839.67 | 697,913.25 | 1,099,485.67 | 31.5534579 | -103.2246163 | 4,268.66 | 10.90 | 0.98 | 10.86 |
| 15,366.00 | 88.92 | 168.92 | 11,239.18 | -4,295.13 | 857.05 | 697,819.87 | 1,099,503.05 | 31.5532025 | -103.2245528 | 4,363.17 | 1.15 | -0.23 | -1.13 |
| 15,459.00 | 88.75 | 167.60 | 11,241.07 | -4,386.17 | 875.97 | 697,728.83 | 1,099,521.97 | 31.5529537 | -103.2244845 | 4,455.86 | 1.43 | -0.18 | -1.42 |
| 15,553.00 | 87.69 | 164.97 | 11,243.99 | -4,477.43 | 898.25 | 697,637.57 | 1,099,544.25 | 31.5527045 | -103.2244054 | 4,549.71 | 3.02 | -1.13 | -2.80 |
| 15,647.00 | 87.69 | 165.58 | 11,247.78 | -4,568.27 | 922.12 | 697,546.73 | 1,099,568.12 | 31.5524565 | -103.2243212 | 4,643.60 | 0.65 | 0.00 | 0.65 |
| 15,741.00 | 88.40 | 158.81 | 11,250.99 | -4,657.66 | 950.83 | 697,457.34 | 1,099,596.83 | 31.5522129 | -103.2242216 | 4,737.45 | 7.24 | 0.76 | -7.20 |
| 15,835.00 | 87.69 | 159.08 | 11,254.20 | -4,745.34 | 984.58 | 697,369.66 | 1,099,630.58 | 31.5519744 | -103.2241059 | 4,831.07 | 0.81 | -0.76 | 0.29 |
| 15,929.00 | 87.21 | 158.55 | 11,258.38 | -4,832.90 | 1,018.52 | 697,282.10 | 1,099,664.52 | 31.5517361 | -103.2239897 | 4,924.64 | 0.76 | -0.51 | -0.56 |
| 16,023.00 | 89.93 | 162.07 | 11,260.73 | -4,921.35 | 1,050.17 | 697,193.65 | 1,099,696.17 | 31.5514953 | -103.2238808 | 5,018.42 | 4.73 | 2.89 | 3.74 |
| 16,117.00 | 88.22 | 159.78 | 11,262.24 | -5,010.17 | 1,080.88 | 697,104.83 | 1,099,726.88 | 31.5512534 | -103.2237748 | 5,112.28 | 3.04 | -1.82 | -2.44 |
| 16,211.00 | 89.10 | 157.94 | 11,264.44 | -5,097.81 | 1,114.77 | 697,017.19 | 1,099,760.77 | 31.5510149 | -103.2236587 | 5,205.91 | 2.17 | 0.94 | -1.96 |
| 16,306.00 | 87.65 | 160.57 | 11,267.14 | -5,186.61 | 1,148.40 | 696,928.39 | 1,099,794.40 | 31.5507733 | -103.2235434 | 5,300.58 | 3.16 | -1.53 | 2.77 |
| 16,399.00 | 87.74 | 164.88 | 11,270.88 | -5,275.32 | 1,175.99 | 696,839.68 | 1,099,821.99 | 31.5505315 | -103.2234475 | 5,393.47 | 4.63 | 0.10 | 4.63 |
| 16,411.70 | 88.07 | 165.53 | 11,271.34 | -5,287.59 | 1,179.23 | 696,827.41 | 1,099,825.23 | 31.5504980 | -103.2234360 | 5,406.15 | 5.72 | 2.63 | 5.09 |
| Sec Cross: 16411.70' MD (377' FWL) | | | | | | | | | | | | | |
| 16,494.00 | 90.24 | 169.71 | 11,272.55 | -5,367.95 | 1,196.87 | 696,747.05 | 1,099,842.87 | 31.5502784 | -103.2233727 | 5,488.23 | 5.72 | 2.63 | 5.08 |
| 16,588.00 | 88.48 | 167.16 | 11,273.60 | -5,460.02 | 1,215.71 | 696,654.98 | 1,099,861.71 | 31.5500267 | -103.2233046 | 5,581.89 | 3.30 | -1.87 | -2.71 |
| 16,682.00 | 87.87 | 167.96 | 11,276.60 | -5,551.77 | 1,235.95 | 696,563.23 | 1,099,881.95 | 31.5497760 | -103.2232320 | 5,675.64 | 1.07 | -0.65 | 0.85 |
| 16,776.00 | 87.74 | 169.27 | 11,280.20 | -5,643.85 | 1,254.49 | 696,471.15 | 1,099,900.49 | 31.5495243 | -103.2231648 | 5,769.22 | 1.40 | -0.14 | 1.39 |
| 16,870.00 | 88.57 | 167.34 | 11,283.23 | -5,735.84 | 1,273.54 | 696,379.16 | 1,099,919.54 | 31.5492728 | -103.2230960 | 5,862.87 | 2.23 | 0.88 | -2.05 |
| 16,963.00 | 88.97 | 165.05 | 11,285.22 | -5,826.13 | 1,295.72 | 696,288.87 | 1,099,941.72 | 31.5490262 | -103.2230173 | 5,955.75 | 2.50 | 0.43 | -2.46 |
| 17,057.00 | 90.37 | 165.41 | 11,285.76 | -5,917.02 | 1,319.69 | 696,197.98 | 1,099,965.69 | 31.5487781 | -103.2229328 | 6,049.72 | 1.54 | 1.49 | 0.38 |
| 17,151.00 | 88.40 | 162.51 | 11,286.77 | -6,007.34 | 1,345.65 | 696,107.66 | 1,099,991.65 | 31.5485318 | -103.2228420 | 6,143.69 | 3.73 | -2.10 | -3.09 |
| 17,245.00 | 89.32 | 165.93 | 11,288.64 | -6,097.77 | 1,371.21 | 696,017.23 | 1,100,017.21 | 31.5482851 | -103.2227524 | 6,237.66 | 3.77 | 0.98 | 3.64 |
| 17,339.00 | 87.96 | 163.38 | 11,290.87 | -6,188.38 | 1,396.07 | 695,926.62 | 1,100,042.07 | 31.5480378 | -103.2226651 | 6,331.61 | 3.07 | -1.45 | -2.71 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 17,433.00 | 89.14 | 165.67 | 11,293.25 | -6,278.94 | 1,421.14 | 695,836.06 | 1,100,067.14 | 31.5477907 | -103.2225771 | 6,425.56 | 2.74 | 1.26 | 2.44 |
| 17,527.00 | 89.19 | 165.05 | 11,294.62 | -6,369.87 | 1,444.90 | 695,745.13 | 1,100,090.90 | 31.5475425 | -103.2224933 | 6,519.51 | 0.66 | 0.05 | -0.66 |
| 17,621.00 | 88.40 | 161.10 | 11,296.60 | -6,459.76 | 1,472.25 | 695,655.24 | 1,100,118.25 | 31.5472974 | -103.2223980 | 6,613.47 | 4.28 | -0.84 | -4.20 |
| 17,715.00 | 88.22 | 158.81 | 11,299.37 | -6,548.03 | 1,504.45 | 695,566.97 | 1,100,150.45 | 31.5470571 | -103.2222873 | 6,707.22 | 2.44 | -0.19 | -2.44 |
| 17,809.00 | 90.24 | 163.03 | 11,300.64 | -6,636.83 | 1,535.17 | 695,478.17 | 1,100,181.17 | 31.5468153 | -103.2221813 | 6,801.07 | 4.98 | 2.15 | 4.49 |
| 17,903.00 | 89.76 | 163.47 | 11,300.64 | -6,726.84 | 1,562.26 | 695,388.16 | 1,100,208.26 | 31.5465698 | -103.2220869 | 6,895.07 | 0.69 | -0.51 | 0.47 |
| 17,997.00 | 87.52 | 161.36 | 11,302.87 | -6,816.41 | 1,590.65 | 695,298.59 | 1,100,236.65 | 31.5463257 | -103.2219883 | 6,989.00 | 3.27 | -2.38 | -2.24 |
| 18,090.00 | 89.36 | 169.19 | 11,305.40 | -6,906.25 | 1,614.25 | 695,208.75 | 1,100,260.25 | 31.5460805 | -103.2219051 | 7,081.86 | 8.65 | 1.98 | 8.42 |
| 18,184.00 | 89.36 | 170.94 | 11,306.45 | -6,998.83 | 1,630.47 | 695,116.17 | 1,100,276.47 | 31.5458272 | -103.2218453 | 7,175.27 | 1.86 | 0.00 | 1.86 |
| 18,278.00 | 89.32 | 170.94 | 11,307.54 | -7,091.65 | 1,645.27 | 695,023.35 | 1,100,291.27 | 31.5455731 | -103.2217901 | 7,268.52 | 0.04 | -0.04 | 0.00 |
| 18,372.00 | 87.47 | 167.87 | 11,310.17 | -7,184.00 | 1,662.54 | 694,931.00 | 1,100,308.54 | 31.5453206 | -103.2217270 | 7,362.01 | 3.81 | -1.97 | -3.27 |
| 18,466.00 | 86.95 | 167.25 | 11,314.75 | -7,275.68 | 1,682.77 | 694,839.32 | 1,100,328.77 | 31.5450700 | -103.2216544 | 7,455.68 | 0.86 | -0.55 | -0.66 |
| 18,560.00 | 86.81 | 163.65 | 11,319.86 | -7,366.52 | 1,706.34 | 694,748.48 | 1,100,352.34 | 31.5448221 | -103.2215712 | 7,549.49 | 3.83 | -0.15 | -3.83 |
| 18,654.00 | 87.65 | 164.53 | 11,324.41 | -7,456.81 | 1,732.08 | 694,658.19 | 1,100,378.08 | 31.5445758 | -103.2214811 | 7,643.37 | 1.29 | 0.89 | 0.94 |
| 18,747.00 | 86.15 | 163.74 | 11,329.44 | -7,546.13 | 1,757.47 | 694,568.87 | 1,100,403.47 | 31.5443321 | -103.2213922 | 7,736.23 | 1.82 | -1.61 | -0.85 |
| 18,841.00 | 92.13 | 166.90 | 11,330.85 | -7,637.00 | 1,781.27 | 694,478.00 | 1,100,427.27 | 31.5440840 | -103.2213082 | 7,830.13 | 7.19 | 6.36 | 3.36 |
| 18,935.00 | 88.44 | 161.36 | 11,330.38 | -7,727.37 | 1,806.96 | 694,387.63 | 1,100,452.96 | 31.5438375 | -103.2212183 | 7,924.07 | 7.08 | -3.93 | -5.89 |
| 19,029.00 | 89.80 | 162.59 | 11,331.82 | -7,816.74 | 1,836.04 | 694,298.26 | 1,100,482.04 | 31.5435940 | -103.2211175 | 8,018.01 | 1.95 | 1.45 | 1.31 |
| 19,123.00 | 89.36 | 160.48 | 11,332.51 | -7,905.89 | 1,865.81 | 694,209.11 | 1,100,511.81 | 31.5433511 | -103.2210145 | 8,111.94 | 2.29 | -0.47 | -2.24 |
| 19,216.00 | 88.31 | 158.46 | 11,334.40 | -7,992.96 | 1,898.42 | 694,122.04 | 1,100,544.42 | 31.5431141 | -103.2209027 | 8,204.66 | 2.45 | -1.13 | -2.17 |
| 19,310.00 | 89.23 | 157.32 | 11,336.42 | -8,080.03 | 1,933.79 | 694,034.97 | 1,100,579.79 | 31.5428773 | -103.2207819 | 8,298.15 | 1.56 | 0.98 | -1.21 |
| 19,404.00 | 90.29 | 158.81 | 11,336.81 | -8,167.22 | 1,968.90 | 693,947.78 | 1,100,614.90 | 31.5426402 | -103.2206620 | 8,391.68 | 1.95 | 1.13 | 1.59 |
| 19,498.00 | 90.42 | 158.90 | 11,336.23 | -8,254.89 | 2,002.81 | 693,860.11 | 1,100,648.81 | 31.5424017 | -103.2205459 | 8,485.34 | 0.17 | 0.14 | 0.10 |
| 19,592.00 | 89.49 | 160.22 | 11,336.31 | -8,342.97 | 2,035.64 | 693,772.03 | 1,100,681.64 | 31.5421620 | -103.2204332 | 8,579.09 | 1.72 | -0.99 | 1.40 |
| 19,686.00 | 88.66 | 159.96 | 11,337.82 | -8,431.34 | 2,067.64 | 693,683.66 | 1,100,713.64 | 31.5419214 | -103.2203231 | 8,672.89 | 0.93 | -0.88 | -0.28 |
| 19,780.00 | 88.62 | 159.69 | 11,340.05 | -8,519.54 | 2,100.05 | 693,595.46 | 1,100,746.05 | 31.5416813 | -103.2202118 | 8,766.65 | 0.29 | -0.04 | -0.29 |
| 19,873.00 | 88.31 | 161.71 | 11,342.55 | -8,607.28 | 2,130.78 | 693,507.72 | 1,100,776.78 | 31.5414423 | -103.2201059 | 8,859.48 | 2.20 | -0.33 | 2.17 |
| 19,967.00 | 88.70 | 163.12 | 11,345.00 | -8,696.85 | 2,159.17 | 693,418.15 | 1,100,805.17 | 31.5411982 | -103.2200073 | 8,953.42 | 1.56 | 0.41 | 1.50 |
| 20,061.00 | 87.91 | 161.72 | 11,347.78 | -8,786.42 | 2,187.54 | 693,328.58 | 1,100,833.54 | 31.5409540 | -103.2199088 | 9,047.35 | 1.71 | -0.84 | -1.49 |
| 20,156.00 | 86.20 | 161.72 | 11,352.66 | -8,876.51 | 2,217.30 | 693,238.49 | 1,100,863.30 | 31.5407086 | -103.2198058 | 9,142.17 | 1.80 | -1.80 | 0.00 |
| 20,250.00 | 84.40 | 163.56 | 11,360.36 | -8,965.91 | 2,245.25 | 693,149.09 | 1,100,891.25 | 31.5404649 | -103.2197087 | 9,235.83 | 2.73 | -1.91 | 1.96 |
| 20,344.00 | 84.13 | 163.91 | 11,369.75 | -9,055.70 | 2,271.45 | 693,059.30 | 1,100,917.45 | 31.5402200 | -103.2196171 | 9,329.35 | 0.47 | -0.29 | 0.37 |
| 20,438.00 | 86.37 | 166.72 | 11,377.54 | -9,146.30 | 2,295.19 | 692,968.70 | 1,100,941.19 | 31.5399727 | -103.2195334 | 9,422.98 | 3.81 | 2.38 | 2.99 |
| 20,532.00 | 88.62 | 166.37 | 11,381.65 | -9,237.63 | 2,317.04 | 692,877.37 | 1,100,963.04 | 31.5397232 | -103.2194557 | 9,516.77 | 2.42 | 2.39 | -0.37 |
| 20,626.00 | 86.51 | 167.25 | 11,385.64 | -9,329.06 | 2,338.47 | 692,785.94 | 1,100,984.47 | 31.5394735 | -103.2193793 | 9,610.54 | 2.43 | -2.24 | 0.94 |
| 20,721.00 | 86.29 | 167.08 | 11,391.61 | -9,421.50 | 2,359.53 | 692,693.50 | 1,101,005.53 | 31.5392209 | -103.2193040 | 9,705.18 | 0.29 | -0.23 | -0.18 |
| 20,814.00 | 86.86 | 168.66 | 11,397.16 | -9,512.26 | 2,379.04 | 692,602.74 | 1,101,025.04 | 31.5389729 | -103.2192339 | 9,797.77 | 1.80 | 0.61 | 1.70 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 20,908.00 | 86.77 | 166.72 | 11,402.39 | -9,603.96 | 2,399.05 | 692,511.04 | 1,101,045.05 | 31.5387223 | -103.2191620 | 9,891.40 | 2.06 | -0.10 | -2.06 |
| 21,002.00 | 91.16 | 167.08 | 11,404.08 | -9,695.47 | 2,420.34 | 692,419.53 | 1,101,066.34 | 31.5384723 | -103.2190861 | 9,985.21 | 4.69 | 4.67 | 0.38 |
| 21,096.00 | 88.70 | 163.65 | 11,404.20 | -9,786.40 | 2,444.09 | 692,328.60 | 1,101,090.09 | 31.5382241 | -103.2190023 | 10,079.15 | 4.49 | -2.62 | -3.65 |
| 21,191.00 | 87.52 | 162.33 | 11,407.33 | -9,877.19 | 2,471.86 | 692,237.81 | 1,101,117.86 | 31.5379765 | -103.2189056 | 10,174.09 | 1.86 | -1.24 | -1.39 |
| 21,285.00 | 87.21 | 163.91 | 11,411.65 | -9,967.04 | 2,499.13 | 692,147.96 | 1,101,145.13 | 31.5377315 | -103.2188107 | 10,267.98 | 1.71 | -0.33 | 1.68 |
| 21,379.00 | 86.24 | 164.26 | 11,417.02 | -10,057.29 | 2,524.86 | 692,057.71 | 1,101,170.86 | 31.5374853 | -103.2187206 | 10,361.83 | 1.10 | -1.03 | 0.37 |
| 21,473.00 | 85.27 | 164.26 | 11,423.98 | -10,147.52 | 2,550.29 | 691,967.48 | 1,101,196.29 | 31.5372392 | -103.2186315 | 10,455.56 | 1.03 | -1.03 | 0.00 |
| 21,543.00 | 85.58 | 163.74 | 11,429.57 | -10,214.59 | 2,569.52 | 691,900.41 | 1,101,215.52 | 31.5370562 | -103.2185642 | 10,525.34 | 0.86 | 0.44 | -0.74 |
| OH Last Svy: 21543.00' MD, 11429.56' TVD | | | | | | | | | | | | | |
| 21,594.00 | 85.58 | 163.74 | 11,433.50 | -10,263.41 | 2,583.76 | 691,851.59 | 1,101,229.76 | 31.5369231 | -103.2185144 | 10,576.19 | 0.00 | 0.00 | 0.00 |
| OH PTB: 21594.00' MD | | | | | | | | | | | | | |

Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Comment |
|-----------------------|-----------------------|--------------------------------|--------------|---|
| 10,520.50 | 10,498.25 | -152.04 | -394.40 | TOP Liner Ext: 10520.50' MD (306' FWL, 84' FSL) |
| 10,789.00 | 10,766.69 | -155.93 | -390.21 | KOP: 10789.00' MD (308' BWL, 79' FSL) |
| 11,045.50 | 11,004.62 | -229.64 | -357.85 | Unit Entry: 11045.50' MD (319' FWL) |
| 11,182.70 | 11,098.14 | -325.47 | -329.85 | HL Cross: 11182.70' MD (319' FWL, 100' FNL) |
| 11,618.00 | 11,247.03 | -707.73 | -215.86 | Land: 11618.00' MD |
| 16,411.70 | 11,271.34 | -5,287.59 | 1,179.23 | Sec Cross: 16411.70' MD (377' FWL) |
| 21,543.00 | 11,429.57 | -10,214.59 | 2,569.52 | OH Last Svy: 21543.00' MD, 11429.56' TVD |
| 21,594.00 | 11,433.50 | -10,263.41 | 2,583.76 | OH PTB: 21594.00' MD |

Checked By: _____ Approved By: _____ Date: _____



Total Directional
"Driven by TOTAL performance"

MWD Survey Certification

Ward County, Texas

Client: Continental Resources

Well Name: UTL 0201A 0301H

Total Job No: S W - 2 3 1 8 8 2

API No: 4 2 - 4 7 5 - 3 8 6 7 4

Start Date: 12-10-2023

End Date: 12-31-2023

Measured Start Depth: 1,159' feet

Measured End Depth: 21,594' feet

Survey Correction Company Used: N/A

I, Juan Ortiz, certify that; I am contracted by Total Directional Services, LLC and I conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

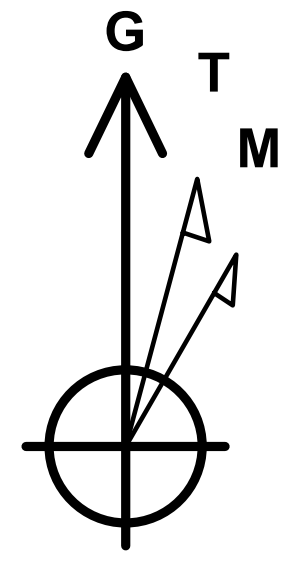
Date: 12/31/2023

Signed: *Juan Ortiz*



Continental Resources, Inc.

Project: Ward County, TX (NAD27)
 Site: UTL 0201
 Well: UTL 0201A 0301H
 Wellbore: ST01
 Design: ST01 Svy
 Rig: Unit 407



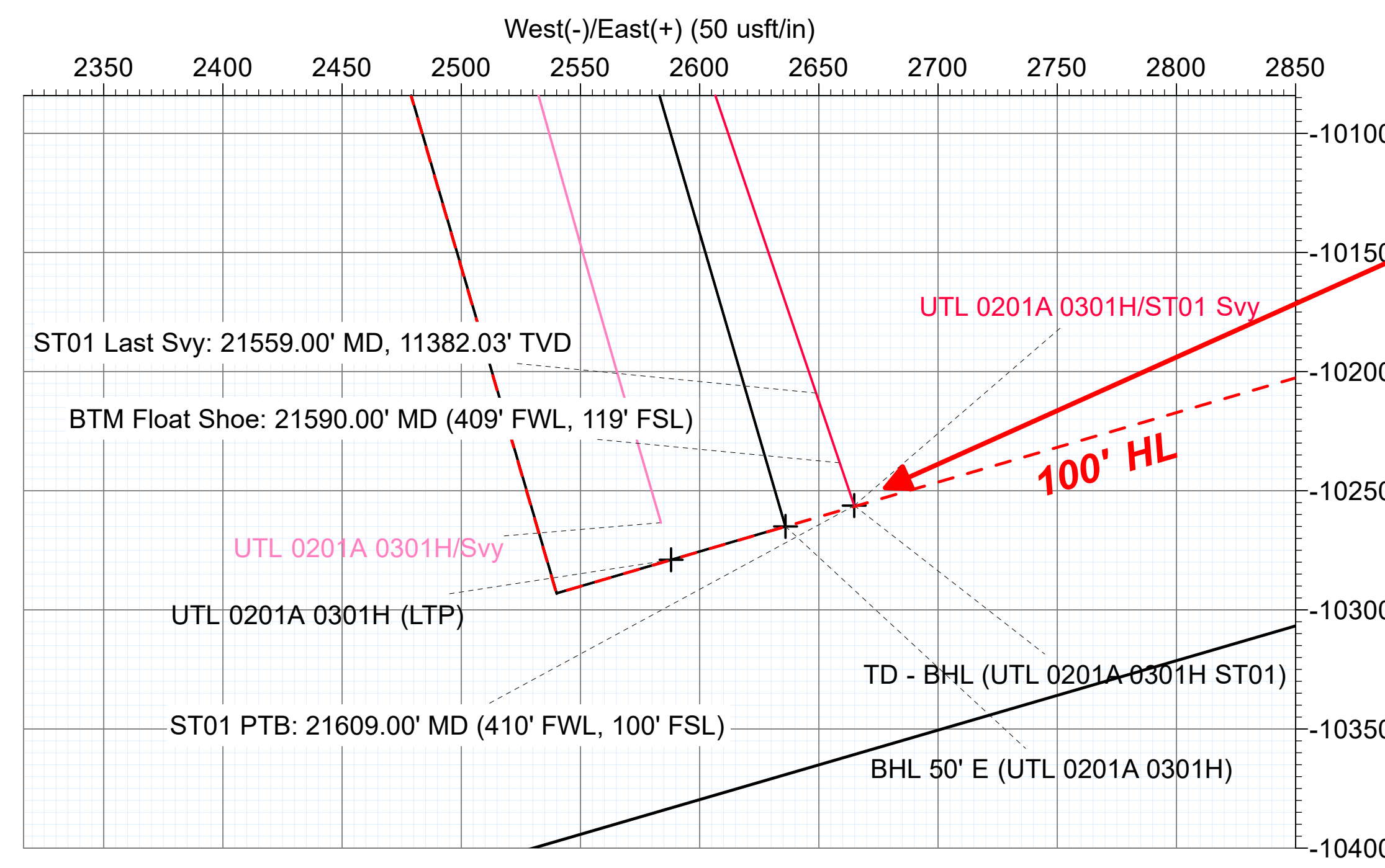
Azimuths to Grid North
 True North: 1.49°
 Magnetic North: 8.16°

Magnetic Field
 Strength: 46880.4nT
 Dip Angle: 59.28°
 Date: 1/11/2024
 Model: HDGM2024

PROJECT DETAILS: Ward County, TX (NAD27)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: Texas Central 4203

Reference Datum: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407)



SHL

RKB Elevation: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407)

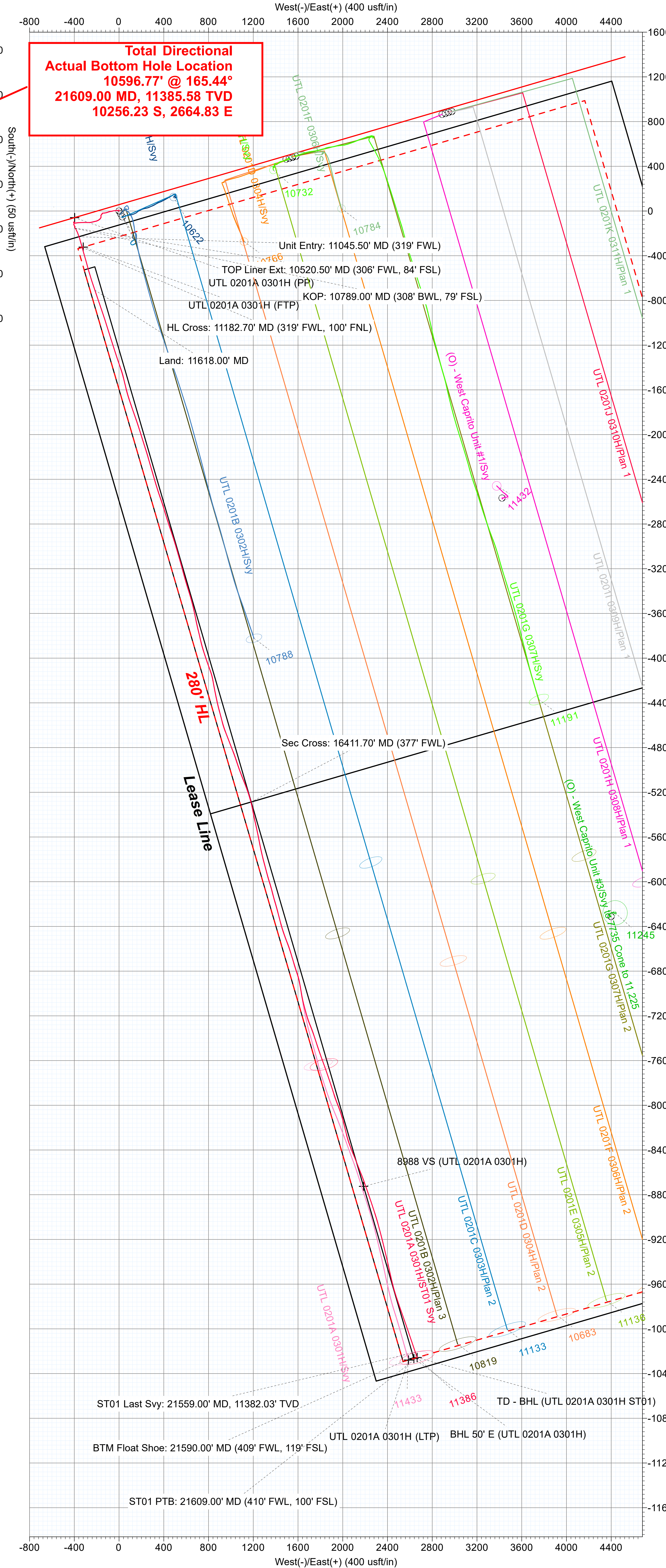
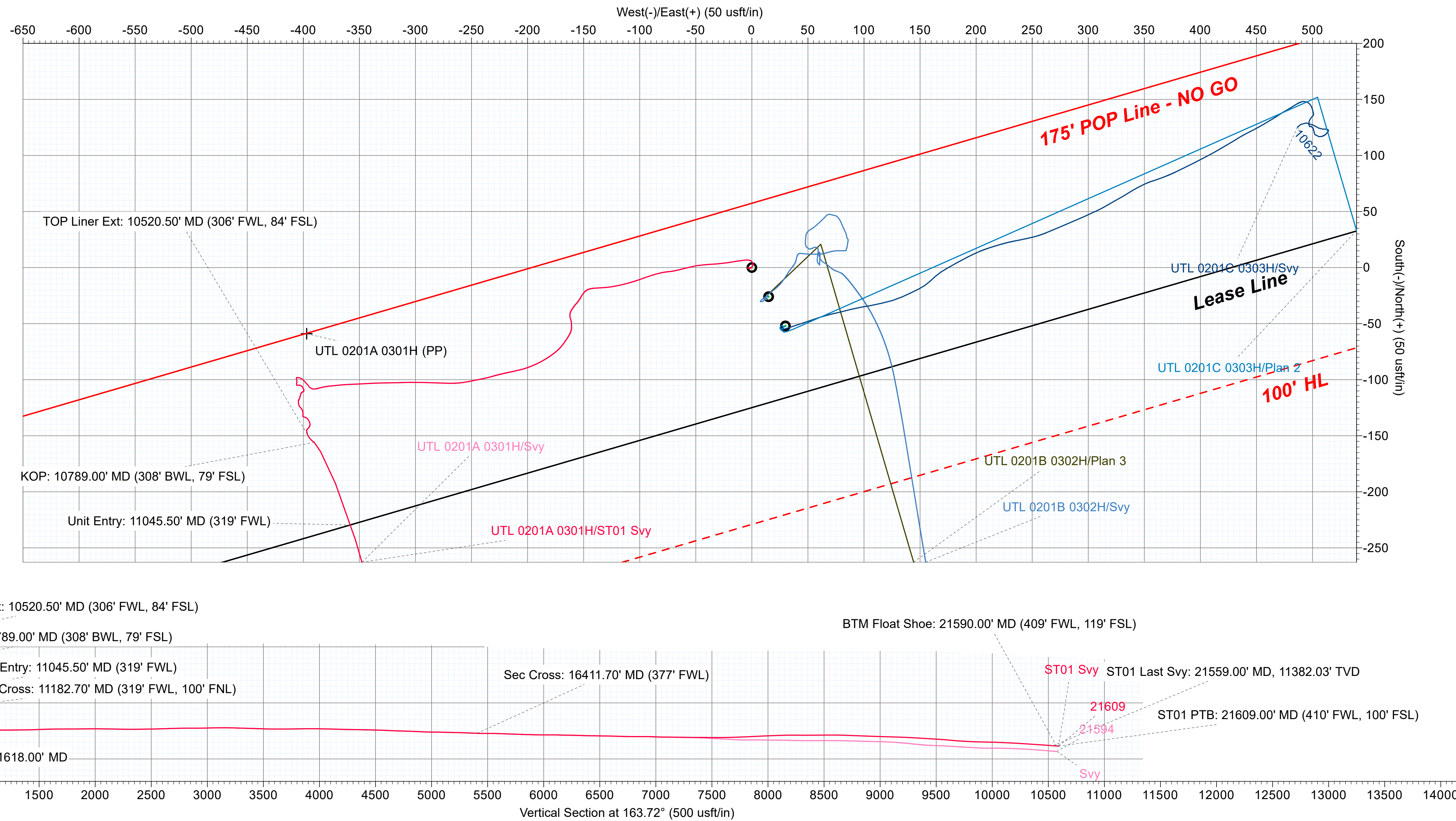
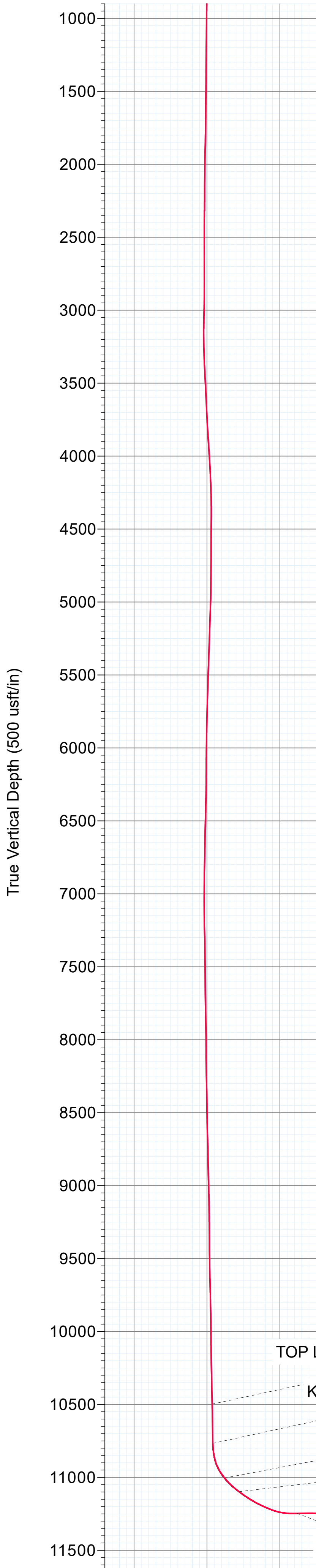
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|-----------|------------|------------|--------------|------|
| 0.00 | 0.00 | 702115.00 | 1098646.00 | 31.5649456 | -103.2276620 | |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | VSec | Departure | Annotation |
|----------|-------|--------|----------|-----------|---------|----------|-----------|---|
| 10520.50 | 1.21 | 140.67 | 10498.25 | -152.04 | -394.40 | 35.38 | 540.21 | TOP Liner Ext: 10520.50' MD (306' FWL, 84' FSL) |
| 10789.00 | 1.36 | 127.44 | 10766.69 | -155.93 | -390.21 | 40.29 | 545.96 | KOP: 10789.00' MD (308' BWL, 79' FSL) |
| 11045.50 | 38.80 | 161.55 | 11004.62 | -229.64 | -357.85 | 120.11 | 628.40 | Unit Entry: 11045.50' MD (319' FWL) |
| 11182.70 | 53.13 | 164.79 | 11098.14 | -325.47 | -329.85 | 219.96 | 727.12 | HL Cross: 11182.70' MD (319' FWL, 100' FNL) |
| 11618.00 | 93.27 | 161.19 | 11247.03 | -707.73 | -215.86 | 618.84 | 1125.77 | Land: 11618.00' MD |
| 16411.70 | 88.07 | 165.53 | 11271.34 | -5287.59 | 1179.23 | 5406.15 | 5918.08 | Sec Cross: 16411.70' MD (377' FWL) |
| 21559.00 | 85.93 | 161.28 | 11382.03 | -10209.00 | 2648.82 | 10542.20 | 11061.78 | ST01 Last Svy: 21559.00' MD, 11382.03' TVD |
| 21590.00 | 85.93 | 161.28 | 11384.23 | -10238.28 | 2658.75 | 10573.09 | 11092.71 | BTM Float Shoe: 21590.00' MD (409' FWL, 119' FSL) |
| 21609.00 | 85.93 | 161.28 | 11385.58 | -10256.23 | 2664.83 | 10592.03 | 11111.66 | ST01 PTB: 21609.00' MD (410' FWL, 100' FSL) |

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---------------------------------|----------|-----------|---------|-----------|------------|------------|--------------|
| TD - BHL (UTL 0201A 0301H ST01) | 11385.58 | -10256.23 | 2664.83 | 691858.77 | 1101310.83 | 31.5369485 | -103.2182549 |



Job# 42475386740000

Continental Resources, Inc.

Ward County, TX (NAD27)

UTL 0201

UTL 0201A 0301H

ST01

ST01 Svy



Standard Survey Report

23 January, 2024

Total Report Version 1.60

COMPASS 5000.16 Build 97

Survey Report

| | |
|---|--|
| Company: Continental Resources, Inc. | Local Co-ordinate Reference: Well UTL 0201A 0301H |
| Project: Ward County, TX (NAD27) | TVD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: UTL 0201 | MD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: UTL 0201A 0301H | North Reference: Grid |
| Wellbore: ST01 | Survey Calculation Method: Minimum Curvature |
| Design: ST01 Svy | Database: .Total Directional Production DB |

| | |
|---|-------------------------------------|
| Project Ward County, TX (NAD27) | System Datum: Mean Sea Level |
| Map System: US State Plane 1927 (Exact solution) | |
| Geo Datum: NAD 1927 (NADCON CONUS) | |
| Map Zone: Texas Central 4203 | |

| | |
|--|--|
| Site UTL 0201 | |
| Site Position: | Northing: 701,796.47 usft Latitude: 31.5640228 |
| From: Map | Easting: 1,097,983.49 usft Longitude: -103.2297618 |
| Position Uncertainty: 0.00 usft | Slot Radius: 13-3/16 " |

| | |
|---------------------------------------|--|
| Well UTL 0201A 0301H | |
| Well Position | Northing: 702,115.00 usft Latitude: 31.5649456 |
| +N/-S 0.00 usft | Easting: 1,098,646.00 usft Longitude: -103.2276620 |
| +E/-W 0.00 usft | Wellhead Elevation: usft Ground Level: 2,689.00 usft |
| Position Uncertainty 0.50 usft | |
| Grid Convergence: -1.49 ° | |

| | |
|----------------------|--|
| Wellbore ST01 | |
| Magnetics | Model Name HDGM2024 |
| | Sample Date 1/11/2024 |
| | Declination (°) 6.67 |
| | Dip Angle (°) 59.28 |
| | Field Strength (nT) 46,880.40000000 |

| | |
|--------------------------|---|
| Design ST01 Svy | |
| Audit Notes: | |
| Version: 1.0 | Phase: ACTUAL Tie On Depth: 18,184.00 |
| Vertical Section: | |
| | Depth From (TVD) (usft) 0.00 |
| | +N/-S (usft) 0.00 |
| | +E/-W (usft) 0.00 |
| | Direction (°) 163.72 |

| | |
|-----------------------|--------------------------|
| Survey Program | Date 1/23/2024 |
| From (usft) | To (usft) |
| 158.60 | 1,159.60 |
| 1,323.00 | 18,184.00 |
| 18,291.00 | 21,609.00 |
| | Survey (Wellbore) |
| | Survey #1 (OH) |
| | Survey #2 (OH) |
| | Survey #1 (ST01) |
| | Tool Name |
| | OWSG (Rev2) MWD |
| | MWD+HRGM |
| | MWD+HRGM |
| | Description |
| | OWSG MWD - Standard |
| | OWSG MWD + HRGM |
| | OWSG MWD + HRGM |

| Survey | | | | | | | | | | | | | |
|-----------------------|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 702,115.00 | 1,098,646.00 | 31.5649456 | -103.2276620 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158.60 | 0.22 | 297.94 | 158.60 | 0.14 | -0.27 | 702,115.14 | 1,098,645.73 | 31.5649460 | -103.2276629 | -0.21 | 0.14 | 0.14 | 0.00 |
| 246.60 | 0.44 | 251.19 | 246.60 | 0.11 | -0.74 | 702,115.11 | 1,098,645.26 | 31.5649459 | -103.2276644 | -0.32 | 0.38 | 0.25 | -53.13 |
| 339.60 | 0.57 | 269.12 | 339.59 | -0.01 | -1.54 | 702,114.99 | 1,098,644.46 | 31.5649455 | -103.2276669 | -0.42 | 0.22 | 0.14 | 19.28 |
| 433.60 | 0.92 | 268.50 | 433.59 | -0.04 | -2.76 | 702,114.96 | 1,098,643.24 | 31.5649453 | -103.2276708 | -0.74 | 0.37 | 0.37 | -0.66 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | ST01 | Survey Calculation Method: | Minimum Curvature |
| Design: | ST01 Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 528.60 | 0.40 | 190.10 | 528.58 | -0.38 | -3.58 | 702,114.62 | 1,098,642.42 | 31.5649443 | -103.2276734 | -0.64 | 0.98 | -0.55 | -82.53 |
| 622.60 | 0.44 | 101.07 | 622.58 | -0.78 | -3.28 | 702,114.22 | 1,098,642.72 | 31.5649432 | -103.2276725 | -0.18 | 0.63 | 0.04 | -94.71 |
| 716.60 | 0.84 | 96.24 | 716.57 | -0.92 | -2.25 | 702,114.08 | 1,098,643.75 | 31.5649429 | -103.2276691 | 0.25 | 0.43 | 0.43 | -5.14 |
| 811.60 | 1.41 | 48.25 | 811.56 | -0.22 | -0.68 | 702,114.78 | 1,098,645.32 | 31.5649450 | -103.2276642 | 0.02 | 1.11 | 0.60 | -50.52 |
| 905.60 | 1.41 | 28.91 | 905.53 | 1.57 | 0.74 | 702,116.57 | 1,098,646.74 | 31.5649500 | -103.2276597 | -1.30 | 0.50 | 0.00 | -20.57 |
| 1,000.60 | 0.57 | 353.40 | 1,000.51 | 3.06 | 1.25 | 702,118.06 | 1,098,647.25 | 31.5649541 | -103.2276582 | -2.58 | 1.06 | -0.88 | -37.38 |
| 1,094.60 | 0.66 | 330.38 | 1,094.51 | 3.99 | 0.93 | 702,118.99 | 1,098,646.93 | 31.5649566 | -103.2276593 | -3.57 | 0.28 | 0.10 | -24.49 |
| 1,159.60 | 0.75 | 322.99 | 1,159.50 | 4.66 | 0.49 | 702,119.66 | 1,098,646.49 | 31.5649584 | -103.2276608 | -4.33 | 0.20 | 0.14 | -11.37 |
| 1,323.00 | 0.40 | 306.56 | 1,322.90 | 5.85 | -0.61 | 702,120.85 | 1,098,645.39 | 31.5649616 | -103.2276644 | -5.79 | 0.23 | -0.21 | -10.06 |
| 1,414.00 | 0.40 | 298.38 | 1,413.89 | 6.19 | -1.15 | 702,121.19 | 1,098,644.85 | 31.5649625 | -103.2276662 | -6.27 | 0.06 | 0.00 | -8.99 |
| 1,505.00 | 1.32 | 283.44 | 1,504.88 | 6.59 | -2.45 | 702,121.59 | 1,098,643.55 | 31.5649635 | -103.2276704 | -7.01 | 1.03 | 1.01 | -16.42 |
| 1,596.00 | 2.64 | 267.54 | 1,595.83 | 6.74 | -5.56 | 702,121.74 | 1,098,640.44 | 31.5649637 | -103.2276804 | -8.03 | 1.56 | 1.45 | -17.47 |
| 1,687.00 | 5.80 | 259.98 | 1,686.57 | 5.85 | -12.18 | 702,120.85 | 1,098,633.82 | 31.5649608 | -103.2277016 | -9.03 | 3.52 | 3.47 | -8.31 |
| 1,782.00 | 6.02 | 262.17 | 1,781.06 | 4.34 | -21.85 | 702,119.34 | 1,098,624.15 | 31.5649560 | -103.2277325 | -10.29 | 0.33 | 0.23 | 2.31 |
| 1,876.00 | 5.71 | 265.25 | 1,874.57 | 3.28 | -31.39 | 702,118.28 | 1,098,614.61 | 31.5649524 | -103.2277630 | -11.95 | 0.47 | -0.33 | 3.28 |
| 1,971.00 | 5.36 | 267.27 | 1,969.13 | 2.68 | -40.53 | 702,117.68 | 1,098,605.47 | 31.5649501 | -103.2277923 | -13.93 | 0.42 | -0.37 | 2.13 |
| 2,066.00 | 5.76 | 259.89 | 2,063.68 | 1.63 | -49.66 | 702,116.63 | 1,098,596.34 | 31.5649465 | -103.2278215 | -15.48 | 0.86 | 0.42 | -7.77 |
| 2,161.00 | 5.80 | 254.97 | 2,158.20 | -0.45 | -58.99 | 702,114.55 | 1,098,587.01 | 31.5649401 | -103.2278513 | -16.10 | 0.52 | 0.04 | -5.18 |
| 2,256.00 | 4.92 | 257.52 | 2,252.79 | -2.58 | -67.60 | 702,112.42 | 1,098,578.40 | 31.5649337 | -103.2278787 | -16.47 | 0.96 | -0.93 | 2.68 |
| 2,350.00 | 3.38 | 265.87 | 2,346.54 | -3.65 | -74.30 | 702,111.35 | 1,098,571.70 | 31.5649303 | -103.2279002 | -17.32 | 1.76 | -1.64 | 8.88 |
| 2,443.00 | 4.22 | 258.04 | 2,439.33 | -4.56 | -80.38 | 702,110.44 | 1,098,565.62 | 31.5649273 | -103.2279196 | -18.16 | 1.06 | 0.90 | -8.42 |
| 2,537.00 | 4.35 | 253.12 | 2,533.07 | -6.31 | -87.18 | 702,108.69 | 1,098,558.82 | 31.5649220 | -103.2279413 | -18.38 | 0.41 | 0.14 | -5.23 |
| 2,631.00 | 4.35 | 250.84 | 2,626.80 | -8.51 | -93.95 | 702,106.49 | 1,098,552.05 | 31.5649155 | -103.2279628 | -18.17 | 0.18 | 0.00 | -2.43 |
| 2,726.00 | 5.54 | 250.84 | 2,721.44 | -11.20 | -101.69 | 702,103.80 | 1,098,544.31 | 31.5649075 | -103.2279874 | -17.75 | 1.25 | 1.25 | 0.00 |
| 2,820.00 | 6.64 | 254.88 | 2,814.91 | -14.11 | -111.22 | 702,100.89 | 1,098,534.78 | 31.5648989 | -103.2280178 | -17.64 | 1.26 | 1.17 | 4.30 |
| 2,915.00 | 6.15 | 259.19 | 2,909.32 | -16.50 | -121.52 | 702,098.50 | 1,098,524.48 | 31.5648916 | -103.2280507 | -18.23 | 0.72 | -0.52 | 4.54 |
| 3,010.00 | 5.93 | 265.95 | 3,003.79 | -17.80 | -131.42 | 702,097.20 | 1,098,514.58 | 31.5648873 | -103.2280823 | -19.76 | 0.78 | -0.23 | 7.12 |
| 3,104.00 | 4.44 | 266.66 | 3,097.41 | -18.35 | -139.89 | 702,096.65 | 1,098,506.11 | 31.5648852 | -103.2281095 | -21.60 | 1.59 | -1.59 | 0.76 |
| 3,199.00 | 3.03 | 248.29 | 3,192.21 | -19.49 | -145.90 | 702,095.51 | 1,098,500.10 | 31.5648816 | -103.2281286 | -22.19 | 1.93 | -1.48 | -19.34 |
| 3,292.00 | 3.21 | 218.93 | 3,285.07 | -22.43 | -149.82 | 702,092.57 | 1,098,496.18 | 31.5648732 | -103.2281410 | -20.47 | 1.71 | 0.19 | -31.57 |
| 3,386.00 | 3.16 | 207.59 | 3,378.93 | -26.77 | -152.67 | 702,088.23 | 1,098,493.33 | 31.5648611 | -103.2281498 | -17.10 | 0.67 | -0.05 | -12.06 |
| 3,480.00 | 5.58 | 220.69 | 3,472.65 | -32.54 | -156.85 | 702,082.46 | 1,098,489.15 | 31.5648450 | -103.2281627 | -12.74 | 2.77 | 2.57 | 13.94 |
| 3,574.00 | 4.09 | 207.24 | 3,566.32 | -38.98 | -161.37 | 702,076.02 | 1,098,484.63 | 31.5648269 | -103.2281767 | -7.82 | 1.98 | -1.59 | -14.31 |
| 3,667.00 | 2.68 | 160.31 | 3,659.17 | -43.98 | -162.15 | 702,071.02 | 1,098,483.85 | 31.5648131 | -103.2281788 | -3.24 | 3.21 | -1.52 | -50.46 |
| 3,761.00 | 2.51 | 167.69 | 3,753.07 | -48.06 | -160.97 | 702,066.94 | 1,098,485.03 | 31.5648020 | -103.2281746 | 1.01 | 0.40 | -0.18 | 7.85 |
| 3,855.00 | 4.04 | 182.98 | 3,846.92 | -53.38 | -160.71 | 702,061.62 | 1,098,485.29 | 31.5647874 | -103.2281733 | 6.19 | 1.86 | 1.63 | 16.27 |
| 3,950.00 | 5.23 | 210.23 | 3,941.62 | -60.46 | -163.06 | 702,054.54 | 1,098,482.94 | 31.5647678 | -103.2281803 | 12.33 | 2.60 | 1.25 | 28.68 |
| 4,044.00 | 6.11 | 216.73 | 4,035.16 | -68.17 | -168.21 | 702,046.83 | 1,098,477.79 | 31.5647462 | -103.2281962 | 18.28 | 1.16 | 0.94 | 6.91 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | ST01 | Survey Calculation Method: | Minimum Curvature |
| Design: | ST01 Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 4,139.00 | 6.29 | 230.80 | 4,129.61 | -75.51 | -175.27 | 702,039.49 | 1,098,470.73 | 31.5647255 | -103.2282182 | 23.35 | 1.61 | 0.19 | 14.81 |
| 4,234.00 | 7.65 | 239.32 | 4,223.91 | -82.03 | -184.74 | 702,032.97 | 1,098,461.26 | 31.5647069 | -103.2282481 | 26.95 | 1.79 | 1.43 | 8.97 |
| 4,328.00 | 7.52 | 247.32 | 4,317.09 | -87.59 | -195.79 | 702,027.41 | 1,098,450.21 | 31.5646909 | -103.2282831 | 29.19 | 1.13 | -0.14 | 8.51 |
| 4,423.00 | 6.90 | 256.94 | 4,411.34 | -91.28 | -207.09 | 702,023.72 | 1,098,438.91 | 31.5646799 | -103.2283190 | 29.57 | 1.43 | -0.65 | 10.13 |
| 4,517.00 | 5.45 | 257.78 | 4,504.79 | -93.50 | -216.95 | 702,021.50 | 1,098,429.05 | 31.5646731 | -103.2283505 | 28.93 | 1.55 | -1.54 | 0.89 |
| 4,611.00 | 3.56 | 256.99 | 4,598.50 | -95.10 | -224.16 | 702,019.90 | 1,098,421.84 | 31.5646682 | -103.2283735 | 28.45 | 2.01 | -2.01 | -0.84 |
| 4,706.00 | 5.45 | 253.91 | 4,693.20 | -97.02 | -231.37 | 702,017.98 | 1,098,414.63 | 31.5646624 | -103.2283965 | 28.27 | 2.00 | 1.99 | -3.24 |
| 4,800.00 | 6.20 | 258.48 | 4,786.71 | -99.27 | -240.63 | 702,015.73 | 1,098,405.37 | 31.5646556 | -103.2284260 | 27.83 | 0.94 | 0.80 | 4.86 |
| 4,895.00 | 5.80 | 258.66 | 4,881.19 | -101.24 | -250.36 | 702,013.76 | 1,098,395.64 | 31.5646495 | -103.2284571 | 26.99 | 0.42 | -0.42 | 0.19 |
| 4,989.00 | 5.49 | 262.96 | 4,974.74 | -102.72 | -259.48 | 702,012.28 | 1,098,386.52 | 31.5646447 | -103.2284863 | 25.86 | 0.56 | -0.33 | 4.57 |
| 5,084.00 | 7.25 | 271.14 | 5,069.15 | -103.16 | -269.99 | 702,011.84 | 1,098,376.01 | 31.5646428 | -103.2285199 | 23.34 | 2.08 | 1.85 | 8.61 |
| 5,179.00 | 7.12 | 272.28 | 5,163.40 | -102.81 | -281.87 | 702,012.19 | 1,098,364.13 | 31.5646429 | -103.2285581 | 19.67 | 0.20 | -0.14 | 1.20 |
| 5,273.00 | 7.25 | 271.49 | 5,256.66 | -102.42 | -293.62 | 702,012.58 | 1,098,352.38 | 31.5646431 | -103.2285958 | 16.00 | 0.17 | 0.14 | -0.84 |
| 5,369.00 | 7.03 | 268.77 | 5,351.92 | -102.39 | -305.54 | 702,012.61 | 1,098,340.46 | 31.5646424 | -103.2286341 | 12.63 | 0.42 | -0.23 | -2.83 |
| 5,464.00 | 6.99 | 268.59 | 5,446.21 | -102.66 | -317.14 | 702,012.34 | 1,098,328.86 | 31.5646408 | -103.2286713 | 9.64 | 0.05 | -0.04 | -0.19 |
| 5,559.00 | 6.46 | 269.12 | 5,540.56 | -102.88 | -328.26 | 702,012.12 | 1,098,317.74 | 31.5646394 | -103.2287070 | 6.73 | 0.56 | -0.56 | 0.56 |
| 5,653.00 | 6.37 | 267.27 | 5,633.97 | -103.21 | -338.75 | 702,011.79 | 1,098,307.25 | 31.5646377 | -103.2287406 | 4.11 | 0.24 | -0.10 | -1.97 |
| 5,748.00 | 5.98 | 266.74 | 5,728.42 | -103.74 | -348.96 | 702,011.26 | 1,098,297.04 | 31.5646355 | -103.2287733 | 1.76 | 0.41 | -0.41 | -0.56 |
| 5,842.00 | 5.58 | 267.97 | 5,821.94 | -104.18 | -358.41 | 702,010.82 | 1,098,287.59 | 31.5646336 | -103.2288037 | -0.47 | 0.45 | -0.43 | 1.31 |
| 5,936.00 | 5.05 | 264.11 | 5,915.53 | -104.77 | -367.10 | 702,010.23 | 1,098,278.90 | 31.5646314 | -103.2288315 | -2.34 | 0.68 | -0.56 | -4.11 |
| 6,031.00 | 4.57 | 264.63 | 6,010.20 | -105.55 | -375.02 | 702,009.45 | 1,098,270.98 | 31.5646287 | -103.2288569 | -3.81 | 0.51 | -0.51 | 0.55 |
| 6,126.00 | 3.74 | 258.39 | 6,104.95 | -106.53 | -381.83 | 702,008.47 | 1,098,264.17 | 31.5646255 | -103.2288786 | -4.78 | 0.99 | -0.87 | -6.57 |
| 6,221.00 | 3.30 | 255.05 | 6,199.77 | -107.86 | -387.50 | 702,007.14 | 1,098,258.50 | 31.5646215 | -103.2288967 | -5.09 | 0.51 | -0.46 | -3.52 |
| 6,315.00 | 2.20 | 278.96 | 6,293.66 | -108.28 | -391.90 | 702,006.72 | 1,098,254.10 | 31.5646200 | -103.2289108 | -5.93 | 1.67 | -1.17 | 25.44 |
| 6,410.00 | 1.67 | 329.06 | 6,388.61 | -106.81 | -394.41 | 702,008.19 | 1,098,251.59 | 31.5646239 | -103.2289190 | -8.04 | 1.80 | -0.56 | 52.74 |
| 6,504.00 | 1.32 | 317.81 | 6,482.58 | -104.83 | -395.85 | 702,010.17 | 1,098,250.15 | 31.5646292 | -103.2289237 | -10.34 | 0.48 | -0.37 | -11.97 |
| 6,599.00 | 1.32 | 318.16 | 6,577.56 | -103.20 | -397.31 | 702,011.80 | 1,098,248.69 | 31.5646336 | -103.2289286 | -12.31 | 0.01 | 0.00 | 0.37 |
| 6,693.00 | 1.36 | 315.44 | 6,671.53 | -101.60 | -398.81 | 702,013.40 | 1,098,247.19 | 31.5646378 | -103.2289335 | -14.27 | 0.08 | 0.04 | -2.89 |
| 6,786.00 | 1.14 | 313.44 | 6,764.51 | -100.18 | -400.26 | 702,014.82 | 1,098,245.74 | 31.5646417 | -103.2289383 | -16.04 | 0.24 | -0.24 | -2.15 |
| 6,880.00 | 1.10 | 303.75 | 6,858.49 | -99.03 | -401.69 | 702,015.97 | 1,098,244.31 | 31.5646447 | -103.2289430 | -17.54 | 0.21 | -0.04 | -10.31 |
| 6,975.00 | 1.19 | 281.77 | 6,953.47 | -98.33 | -403.41 | 702,016.67 | 1,098,242.59 | 31.5646465 | -103.2289486 | -18.71 | 0.47 | 0.09 | -23.14 |
| 7,069.00 | 1.19 | 273.25 | 7,047.45 | -98.07 | -405.34 | 702,016.93 | 1,098,240.66 | 31.5646471 | -103.2289548 | -19.49 | 0.19 | 0.00 | -9.06 |
| 7,162.00 | 1.01 | 167.69 | 7,140.44 | -98.82 | -406.13 | 702,016.18 | 1,098,239.87 | 31.5646450 | -103.2289573 | -19.00 | 1.89 | -0.19 | -113.51 |
| 7,256.00 | 1.36 | 171.56 | 7,234.42 | -100.73 | -405.79 | 702,014.27 | 1,098,240.21 | 31.5646397 | -103.2289560 | -17.06 | 0.38 | 0.37 | 4.12 |
| 7,350.00 | 1.76 | 192.12 | 7,328.39 | -103.25 | -405.93 | 702,011.75 | 1,098,240.07 | 31.5646328 | -103.2289563 | -14.69 | 0.73 | 0.43 | 21.87 |
| 7,444.00 | 0.53 | 137.54 | 7,422.37 | -104.98 | -405.94 | 702,010.02 | 1,098,240.06 | 31.5646281 | -103.2289561 | -13.03 | 1.61 | -1.31 | -58.06 |
| 7,537.00 | 1.01 | 67.41 | 7,515.36 | -104.98 | -404.89 | 702,010.02 | 1,098,241.11 | 31.5646281 | -103.2289528 | -12.73 | 1.04 | 0.52 | -75.41 |

Survey Report

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|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | ST01 | Survey Calculation Method: | Minimum Curvature |
| Design: | ST01 Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 7,632.00 | 1.05 | 100.89 | 7,610.35 | -104.82 | -403.27 | 702,010.18 | 1,098,242.73 | 31.5646287 | -103.2289476 | -12.43 | 0.63 | 0.04 | 35.24 |
| 7,724.00 | 1.14 | 125.06 | 7,702.33 | -105.51 | -401.69 | 702,009.49 | 1,098,244.31 | 31.5646269 | -103.2289424 | -11.33 | 0.51 | 0.10 | 26.27 |
| 7,817.00 | 1.19 | 148.53 | 7,795.31 | -106.86 | -400.43 | 702,008.14 | 1,098,245.57 | 31.5646233 | -103.2289383 | -9.67 | 0.51 | 0.05 | 25.24 |
| 7,911.00 | 1.27 | 160.75 | 7,889.29 | -108.68 | -399.58 | 702,006.32 | 1,098,246.42 | 31.5646183 | -103.2289354 | -7.69 | 0.29 | 0.09 | 13.00 |
| 8,004.00 | 0.70 | 205.13 | 7,982.28 | -110.17 | -399.48 | 702,004.83 | 1,098,246.52 | 31.5646143 | -103.2289350 | -6.24 | 0.98 | -0.61 | 47.72 |
| 8,098.00 | 0.92 | 258.83 | 8,076.27 | -110.83 | -400.46 | 702,004.17 | 1,098,245.54 | 31.5646124 | -103.2289381 | -5.87 | 0.81 | 0.23 | 57.13 |
| 8,193.00 | 1.01 | 211.72 | 8,171.26 | -111.69 | -401.65 | 702,003.31 | 1,098,244.35 | 31.5646099 | -103.2289418 | -5.38 | 0.82 | 0.09 | -49.59 |
| 8,287.00 | 1.71 | 196.87 | 8,265.23 | -113.74 | -402.49 | 702,001.26 | 1,098,243.51 | 31.5646042 | -103.2289443 | -3.65 | 0.83 | 0.74 | -15.80 |
| 8,383.00 | 1.41 | 195.46 | 8,361.20 | -116.25 | -403.22 | 701,998.75 | 1,098,242.78 | 31.5645973 | -103.2289465 | -1.45 | 0.32 | -0.31 | -1.47 |
| 8,477.00 | 0.84 | 213.04 | 8,455.18 | -117.94 | -403.91 | 701,997.06 | 1,098,242.09 | 31.5645926 | -103.2289485 | -0.02 | 0.70 | -0.61 | 18.70 |
| 8,571.00 | 0.88 | 188.35 | 8,549.17 | -119.23 | -404.39 | 701,995.77 | 1,098,241.61 | 31.5645890 | -103.2289500 | 1.09 | 0.39 | 0.04 | -26.27 |
| 8,673.00 | 1.89 | 169.89 | 8,651.14 | -121.66 | -404.21 | 701,993.34 | 1,098,241.79 | 31.5645823 | -103.2289492 | 3.47 | 1.07 | 0.99 | -18.10 |
| 8,767.00 | 1.19 | 140.53 | 8,745.10 | -123.94 | -403.31 | 701,991.06 | 1,098,242.69 | 31.5645761 | -103.2289461 | 5.91 | 1.10 | -0.74 | -31.23 |
| 8,862.00 | 1.32 | 134.03 | 8,840.08 | -125.47 | -401.90 | 701,989.53 | 1,098,244.10 | 31.5645720 | -103.2289415 | 7.77 | 0.20 | 0.14 | -6.84 |
| 8,957.00 | 1.32 | 162.68 | 8,935.06 | -127.27 | -400.79 | 701,987.73 | 1,098,245.21 | 31.5645672 | -103.2289377 | 9.81 | 0.69 | 0.00 | 30.16 |
| 9,051.00 | 1.63 | 172.44 | 9,029.03 | -129.63 | -400.29 | 701,985.37 | 1,098,245.71 | 31.5645607 | -103.2289359 | 12.22 | 0.42 | 0.33 | 10.38 |
| 9,145.00 | 0.97 | 194.32 | 9,123.00 | -131.73 | -400.31 | 701,983.27 | 1,098,245.69 | 31.5645549 | -103.2289358 | 14.22 | 0.87 | -0.70 | 23.28 |
| 9,240.00 | 0.44 | 146.33 | 9,217.99 | -132.81 | -400.31 | 701,982.19 | 1,098,245.69 | 31.5645520 | -103.2289357 | 15.26 | 0.79 | -0.56 | -50.52 |
| 9,333.00 | 1.01 | 103.71 | 9,310.99 | -133.30 | -399.31 | 701,981.70 | 1,098,246.69 | 31.5645507 | -103.2289325 | 16.02 | 0.80 | 0.61 | -45.83 |
| 9,428.00 | 0.92 | 111.00 | 9,405.97 | -133.77 | -397.79 | 701,981.23 | 1,098,248.21 | 31.5645495 | -103.2289276 | 16.90 | 0.16 | -0.09 | 7.67 |
| 9,521.00 | 0.92 | 130.16 | 9,498.96 | -134.52 | -396.52 | 701,980.48 | 1,098,249.48 | 31.5645475 | -103.2289234 | 17.97 | 0.33 | 0.00 | 20.60 |
| 9,616.00 | 1.10 | 152.57 | 9,593.95 | -135.82 | -395.52 | 701,979.18 | 1,098,250.48 | 31.5645440 | -103.2289201 | 19.50 | 0.45 | 0.19 | 23.59 |
| 9,711.00 | 1.71 | 150.38 | 9,688.92 | -137.86 | -394.40 | 701,977.14 | 1,098,251.60 | 31.5645385 | -103.2289163 | 21.77 | 0.64 | 0.64 | -2.31 |
| 9,805.00 | 1.36 | 192.74 | 9,782.89 | -140.17 | -393.95 | 701,974.83 | 1,098,252.05 | 31.5645322 | -103.2289147 | 24.11 | 1.23 | -0.37 | 45.06 |
| 9,900.00 | 1.23 | 209.35 | 9,877.86 | -142.16 | -394.70 | 701,972.84 | 1,098,251.30 | 31.5645267 | -103.2289169 | 25.81 | 0.42 | -0.14 | 17.48 |
| 9,994.00 | 1.36 | 228.86 | 9,971.84 | -143.77 | -396.03 | 701,971.23 | 1,098,249.97 | 31.5645221 | -103.2289211 | 26.99 | 0.49 | 0.14 | 20.76 |
| 10,089.00 | 0.44 | 194.32 | 10,066.83 | -144.87 | -396.97 | 701,970.13 | 1,098,249.03 | 31.5645191 | -103.2289240 | 27.78 | 1.08 | -0.97 | -36.36 |
| 10,183.00 | 0.88 | 170.68 | 10,160.82 | -145.93 | -396.94 | 701,969.07 | 1,098,249.06 | 31.5645162 | -103.2289238 | 28.80 | 0.54 | 0.47 | -25.15 |
| 10,278.00 | 1.14 | 166.99 | 10,255.81 | -147.57 | -396.61 | 701,967.43 | 1,098,249.39 | 31.5645117 | -103.2289226 | 30.47 | 0.28 | 0.27 | -3.88 |
| 10,372.00 | 1.19 | 158.81 | 10,349.79 | -149.39 | -396.05 | 701,965.61 | 1,098,249.95 | 31.5645067 | -103.2289207 | 32.38 | 0.18 | 0.05 | -8.70 |
| 10,467.00 | 1.23 | 143.96 | 10,444.77 | -151.14 | -395.09 | 701,963.86 | 1,098,250.91 | 31.5645020 | -103.2289175 | 34.32 | 0.33 | 0.04 | -15.63 |
| 10,520.50 | 1.21 | 140.67 | 10,498.25 | -152.04 | -394.40 | 701,962.96 | 1,098,251.60 | 31.5644996 | -103.2289152 | 35.38 | 0.14 | -0.05 | -6.15 |
| TOP Liner Ext: 10520.50' MD (306' FWL, 84' FSL) | | | | | | | | | | | | | |
| 10,560.00 | 1.19 | 138.16 | 10,537.75 | -152.66 | -393.86 | 701,962.34 | 1,098,252.14 | 31.5644979 | -103.2289134 | 36.13 | 0.14 | -0.04 | -6.35 |
| 10,655.00 | 1.19 | 134.03 | 10,632.73 | -154.08 | -392.49 | 701,960.92 | 1,098,253.51 | 31.5644941 | -103.2289089 | 37.88 | 0.09 | 0.00 | -4.35 |
| 10,684.00 | 1.19 | 129.28 | 10,661.72 | -154.48 | -392.04 | 701,960.52 | 1,098,253.96 | 31.5644930 | -103.2289074 | 38.39 | 0.34 | 0.00 | -16.38 |
| 10,789.00 | 1.36 | 127.44 | 10,766.69 | -155.93 | -390.21 | 701,959.07 | 1,098,255.79 | 31.5644891 | -103.2289014 | 40.29 | 0.17 | 0.16 | -1.75 |
| KOP: 10789.00' MD (308' BWL, 79' FSL) | | | | | | | | | | | | | |

Survey Report

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|---|--|
| Company: Continental Resources, Inc. | Local Co-ordinate Reference: Well UTL 0201A 0301H |
| Project: Ward County, TX (NAD27) | TVD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: UTL 0201 | MD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: UTL 0201A 0301H | North Reference: Grid |
| Wellbore: ST01 | Survey Calculation Method: Minimum Curvature |
| Design: ST01 Svy | Database: .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 10,882.00 | 11.12 | 147.74 | 10,859.03 | -164.21 | -384.53 | 701,950.79 | 1,098,261.47 | 31.5644668 | -103.2288825 | 49.82 | 10.60 | 10.49 | 21.83 |
| 10,975.00 | 28.84 | 158.02 | 10,946.11 | -192.83 | -371.24 | 701,922.17 | 1,098,274.76 | 31.5643891 | -103.2288374 | 81.02 | 19.35 | 19.05 | 11.05 |
| 11,045.50 | 38.80 | 161.55 | 11,004.62 | -229.64 | -357.85 | 701,885.36 | 1,098,288.15 | 31.5642889 | -103.2287914 | 120.11 | 14.39 | 14.12 | 5.01 |
| Unit Entry: 11045.50' MD (319' FWL) | | | | | | | | | | | | | |
| 11,067.00 | 41.85 | 162.33 | 11,021.01 | -242.87 | -353.54 | 701,872.13 | 1,098,292.46 | 31.5642528 | -103.2287764 | 134.02 | 14.39 | 14.20 | 3.63 |
| 11,160.00 | 52.13 | 164.97 | 11,084.36 | -308.06 | -334.55 | 701,806.94 | 1,098,311.45 | 31.5640750 | -103.2287100 | 201.92 | 11.25 | 11.05 | 2.84 |
| 11,182.70 | 53.13 | 164.79 | 11,098.14 | -325.47 | -329.85 | 701,789.53 | 1,098,316.15 | 31.5640275 | -103.2286935 | 219.96 | 4.44 | 4.39 | -0.81 |
| HL Cross: 11182.70' MD (319' FWL, 100' FNL) | | | | | | | | | | | | | |
| 11,251.00 | 56.13 | 164.26 | 11,137.67 | -379.14 | -314.98 | 701,735.86 | 1,098,331.02 | 31.5638811 | -103.2286413 | 275.64 | 4.44 | 4.40 | -0.77 |
| 11,342.00 | 63.65 | 163.82 | 11,183.29 | -454.77 | -293.34 | 701,660.23 | 1,098,352.66 | 31.5636748 | -103.2285655 | 354.30 | 8.27 | 8.26 | -0.48 |
| 11,434.00 | 68.31 | 165.14 | 11,220.73 | -535.72 | -270.88 | 701,579.28 | 1,098,375.12 | 31.5634539 | -103.2284867 | 438.30 | 5.23 | 5.07 | 1.43 |
| 11,526.00 | 82.64 | 161.45 | 11,243.75 | -620.75 | -245.26 | 701,494.25 | 1,098,400.74 | 31.5632220 | -103.2283973 | 527.11 | 16.05 | 15.58 | -4.01 |
| 11,618.00 | 93.27 | 161.19 | 11,247.03 | -707.73 | -215.86 | 701,407.27 | 1,098,430.14 | 31.5629851 | -103.2282957 | 618.84 | 11.56 | 11.55 | -0.28 |
| Land: 11618.00' MD | | | | | | | | | | | | | |
| 11,709.00 | 88.66 | 161.63 | 11,245.50 | -793.94 | -186.86 | 701,321.06 | 1,098,459.14 | 31.5627502 | -103.2281954 | 709.73 | 5.09 | -5.07 | 0.48 |
| 11,800.00 | 87.43 | 160.75 | 11,248.61 | -880.03 | -157.54 | 701,234.97 | 1,098,488.46 | 31.5625158 | -103.2280941 | 800.58 | 1.66 | -1.35 | -0.97 |
| 11,893.00 | 92.22 | 161.72 | 11,248.89 | -968.06 | -127.63 | 701,146.94 | 1,098,518.37 | 31.5622760 | -103.2279908 | 893.47 | 5.26 | 5.15 | 1.04 |
| 11,985.00 | 92.62 | 163.38 | 11,245.00 | -1,055.74 | -100.07 | 701,059.26 | 1,098,545.93 | 31.5620369 | -103.2278950 | 985.36 | 1.85 | 0.43 | 1.80 |
| 12,076.00 | 90.02 | 162.24 | 11,242.91 | -1,142.65 | -73.18 | 700,972.35 | 1,098,572.82 | 31.5618000 | -103.2278014 | 1,076.32 | 3.12 | -2.86 | -1.25 |
| 12,168.00 | 90.24 | 162.15 | 11,242.70 | -1,230.24 | -45.05 | 700,884.76 | 1,098,600.95 | 31.5615613 | -103.2277038 | 1,168.28 | 0.26 | 0.24 | -0.10 |
| 12,262.00 | 90.59 | 161.45 | 11,242.02 | -1,319.53 | -15.69 | 700,795.47 | 1,098,630.31 | 31.5613180 | -103.2276021 | 1,262.23 | 0.83 | 0.37 | -0.74 |
| 12,355.00 | 90.33 | 160.92 | 11,241.27 | -1,407.56 | 14.30 | 700,707.44 | 1,098,660.30 | 31.5610782 | -103.2274985 | 1,355.13 | 0.63 | -0.28 | -0.57 |
| 12,449.00 | 92.31 | 166.29 | 11,239.10 | -1,497.68 | 40.82 | 700,617.32 | 1,098,686.82 | 31.5608325 | -103.2274059 | 1,449.07 | 6.09 | 2.11 | 5.71 |
| 12,543.00 | 91.65 | 166.37 | 11,235.86 | -1,588.96 | 63.02 | 700,526.04 | 1,098,709.02 | 31.5605832 | -103.2273270 | 1,542.91 | 0.71 | -0.70 | 0.09 |
| 12,638.00 | 90.95 | 161.89 | 11,233.70 | -1,680.29 | 88.98 | 700,434.71 | 1,098,734.98 | 31.5603340 | -103.2272360 | 1,637.86 | 4.77 | -0.74 | -4.72 |
| 12,732.00 | 90.07 | 160.92 | 11,232.86 | -1,769.38 | 118.96 | 700,345.62 | 1,098,764.96 | 31.5600913 | -103.2271324 | 1,731.78 | 1.39 | -0.94 | -1.03 |
| 12,825.00 | 90.33 | 160.66 | 11,232.54 | -1,857.20 | 149.56 | 700,257.80 | 1,098,795.56 | 31.5598522 | -103.2270269 | 1,824.66 | 0.40 | 0.28 | -0.28 |
| 12,919.00 | 90.59 | 162.42 | 11,231.78 | -1,946.36 | 179.32 | 700,168.64 | 1,098,825.32 | 31.5596093 | -103.2269239 | 1,918.58 | 1.89 | 0.28 | 1.87 |
| 13,013.00 | 89.85 | 162.68 | 11,231.42 | -2,036.03 | 207.51 | 700,078.97 | 1,098,853.51 | 31.5593648 | -103.2268259 | 2,012.56 | 0.83 | -0.79 | 0.28 |
| 13,107.00 | 88.97 | 162.07 | 11,232.39 | -2,125.61 | 235.97 | 699,989.39 | 1,098,881.97 | 31.5591207 | -103.2267271 | 2,106.53 | 1.14 | -0.94 | -0.65 |
| 13,201.00 | 88.97 | 164.35 | 11,234.08 | -2,215.58 | 263.11 | 699,899.42 | 1,098,909.11 | 31.5588753 | -103.2266325 | 2,200.50 | 2.43 | 0.00 | 2.43 |
| 13,296.00 | 89.14 | 163.56 | 11,235.65 | -2,306.87 | 289.37 | 699,808.13 | 1,098,935.37 | 31.5586263 | -103.2265406 | 2,295.49 | 0.85 | 0.18 | -0.83 |
| 13,390.00 | 91.34 | 163.91 | 11,235.25 | -2,397.10 | 315.69 | 699,717.90 | 1,098,961.69 | 31.5583802 | -103.2264486 | 2,389.48 | 2.37 | 2.34 | 0.37 |
| 13,484.00 | 90.42 | 162.51 | 11,233.81 | -2,487.08 | 342.84 | 699,627.92 | 1,098,988.84 | 31.5581349 | -103.2263539 | 2,483.47 | 1.78 | -0.98 | -1.49 |
| 13,578.00 | 92.35 | 160.40 | 11,231.54 | -2,576.16 | 372.73 | 699,538.84 | 1,099,018.73 | 31.5578922 | -103.2262506 | 2,577.35 | 3.04 | 2.05 | -2.24 |
| 13,673.00 | 91.16 | 163.38 | 11,228.63 | -2,666.40 | 402.24 | 699,448.60 | 1,099,048.24 | 31.5576463 | -103.2261483 | 2,672.25 | 3.38 | -1.25 | 3.14 |
| 13,767.00 | 91.47 | 162.51 | 11,226.47 | -2,756.25 | 429.80 | 699,358.75 | 1,099,075.80 | 31.5574013 | -103.2260524 | 2,766.21 | 0.98 | 0.33 | -0.93 |
| 13,861.00 | 89.67 | 161.19 | 11,225.54 | -2,845.56 | 459.08 | 699,269.44 | 1,099,105.08 | 31.5571580 | -103.2259510 | 2,860.15 | 2.37 | -1.91 | -1.40 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | ST01 | Survey Calculation Method: | Minimum Curvature |
| Design: | ST01 Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 13,955.00 | 90.86 | 162.51 | 11,225.10 | -2,934.88 | 488.36 | 699,180.12 | 1,099,134.36 | 31.5569146 | -103.2258495 | 2,954.10 | 1.89 | 1.27 | 1.40 |
| 14,049.00 | 91.47 | 164.00 | 11,223.19 | -3,024.87 | 515.43 | 699,090.13 | 1,099,161.43 | 31.5566692 | -103.2257551 | 3,048.07 | 1.71 | 0.65 | 1.59 |
| 14,142.00 | 90.24 | 163.82 | 11,221.80 | -3,114.21 | 541.21 | 699,000.79 | 1,099,187.21 | 31.5564255 | -103.2256650 | 3,141.06 | 1.34 | -1.32 | -0.19 |
| 14,237.00 | 87.96 | 165.05 | 11,223.29 | -3,205.71 | 566.69 | 698,909.29 | 1,099,212.69 | 31.5561759 | -103.2255755 | 3,236.03 | 2.73 | -2.40 | 1.29 |
| 14,330.00 | 88.40 | 164.09 | 11,226.25 | -3,295.31 | 591.42 | 698,819.69 | 1,099,237.42 | 31.5559314 | -103.2254887 | 3,328.98 | 1.14 | 0.47 | -1.03 |
| 14,424.00 | 88.26 | 162.59 | 11,228.99 | -3,385.33 | 618.36 | 698,729.67 | 1,099,264.36 | 31.5556859 | -103.2253947 | 3,422.93 | 1.60 | -0.15 | -1.60 |
| 14,518.00 | 88.13 | 164.00 | 11,231.95 | -3,475.31 | 645.36 | 698,639.69 | 1,099,291.36 | 31.5554405 | -103.2253005 | 3,516.88 | 1.51 | -0.14 | 1.50 |
| 14,613.00 | 90.11 | 167.87 | 11,233.41 | -3,567.43 | 668.44 | 698,547.57 | 1,099,314.44 | 31.5551890 | -103.2252188 | 3,611.77 | 4.58 | 2.08 | 4.07 |
| 14,707.00 | 90.15 | 168.57 | 11,233.20 | -3,659.45 | 687.63 | 698,455.55 | 1,099,333.63 | 31.5549375 | -103.2251495 | 3,705.48 | 0.75 | 0.04 | 0.74 |
| 14,801.00 | 90.90 | 166.28 | 11,232.33 | -3,751.18 | 708.10 | 698,363.82 | 1,099,354.10 | 31.5546868 | -103.2250762 | 3,799.28 | 2.56 | 0.80 | -2.44 |
| 14,895.00 | 90.81 | 167.08 | 11,230.93 | -3,842.65 | 729.75 | 698,272.35 | 1,099,375.75 | 31.5544370 | -103.2249991 | 3,893.14 | 0.86 | -0.10 | 0.85 |
| 14,989.00 | 89.01 | 162.51 | 11,231.08 | -3,933.33 | 754.40 | 698,181.67 | 1,099,400.40 | 31.5541896 | -103.2249124 | 3,987.09 | 5.23 | -1.91 | -4.86 |
| 15,083.00 | 88.75 | 161.10 | 11,232.92 | -4,022.61 | 783.74 | 698,092.39 | 1,099,429.74 | 31.5539463 | -103.2248108 | 4,081.02 | 1.53 | -0.28 | -1.50 |
| 15,177.00 | 88.22 | 159.78 | 11,235.40 | -4,111.15 | 815.20 | 698,003.85 | 1,099,461.20 | 31.5537052 | -103.2247024 | 4,174.83 | 1.51 | -0.56 | -1.40 |
| 15,271.00 | 89.14 | 169.99 | 11,237.57 | -4,201.75 | 839.67 | 697,913.25 | 1,099,485.67 | 31.5534579 | -103.2246163 | 4,268.66 | 10.90 | 0.98 | 10.86 |
| 15,366.00 | 88.92 | 168.92 | 11,239.18 | -4,295.13 | 857.05 | 697,819.87 | 1,099,503.05 | 31.5532025 | -103.2245528 | 4,363.17 | 1.15 | -0.23 | -1.13 |
| 15,459.00 | 88.75 | 167.60 | 11,241.07 | -4,386.17 | 875.97 | 697,728.83 | 1,099,521.97 | 31.5529537 | -103.2244845 | 4,455.86 | 1.43 | -0.18 | -1.42 |
| 15,553.00 | 87.69 | 164.97 | 11,243.99 | -4,477.43 | 898.25 | 697,637.57 | 1,099,544.25 | 31.5527045 | -103.2244054 | 4,549.71 | 3.02 | -1.13 | -2.80 |
| 15,647.00 | 87.69 | 165.58 | 11,247.78 | -4,568.27 | 922.12 | 697,546.73 | 1,099,568.12 | 31.5524565 | -103.2243212 | 4,643.60 | 0.65 | 0.00 | 0.65 |
| 15,741.00 | 88.40 | 158.81 | 11,250.99 | -4,657.66 | 950.83 | 697,457.34 | 1,099,596.83 | 31.5522129 | -103.2242216 | 4,737.45 | 7.24 | 0.76 | -7.20 |
| 15,835.00 | 87.69 | 159.08 | 11,254.20 | -4,745.34 | 984.58 | 697,369.66 | 1,099,630.58 | 31.5519744 | -103.2241059 | 4,831.07 | 0.81 | -0.76 | 0.29 |
| 15,929.00 | 87.21 | 158.55 | 11,258.38 | -4,832.90 | 1,018.52 | 697,282.10 | 1,099,664.52 | 31.5517361 | -103.2239897 | 4,924.64 | 0.76 | -0.51 | -0.56 |
| 16,023.00 | 89.93 | 162.07 | 11,260.73 | -4,921.35 | 1,050.17 | 697,193.65 | 1,099,696.17 | 31.5514953 | -103.2238808 | 5,018.42 | 4.73 | 2.89 | 3.74 |
| 16,117.00 | 88.22 | 159.78 | 11,262.24 | -5,010.17 | 1,080.88 | 697,104.83 | 1,099,726.88 | 31.5512534 | -103.2237748 | 5,112.28 | 3.04 | -1.82 | -2.44 |
| 16,211.00 | 89.10 | 157.94 | 11,264.44 | -5,097.81 | 1,114.77 | 697,017.19 | 1,099,760.77 | 31.5510149 | -103.2236587 | 5,205.91 | 2.17 | 0.94 | -1.96 |
| 16,306.00 | 87.65 | 160.57 | 11,267.14 | -5,186.61 | 1,148.40 | 696,928.39 | 1,099,794.40 | 31.5507733 | -103.2235434 | 5,300.58 | 3.16 | -1.53 | 2.77 |
| 16,399.00 | 87.74 | 164.88 | 11,270.88 | -5,275.32 | 1,175.99 | 696,839.68 | 1,099,821.99 | 31.5505315 | -103.2234475 | 5,393.47 | 4.63 | 0.10 | 4.63 |
| 16,411.70 | 88.07 | 165.53 | 11,271.34 | -5,287.59 | 1,179.23 | 696,827.41 | 1,099,825.23 | 31.5504980 | -103.2234360 | 5,406.15 | 5.72 | 2.63 | 5.09 |
| Sec Cross: 16411.70' MD (377' FWL) | | | | | | | | | | | | | |
| 16,494.00 | 90.24 | 169.71 | 11,272.55 | -5,367.95 | 1,196.87 | 696,747.05 | 1,099,842.87 | 31.5502784 | -103.2233727 | 5,488.23 | 5.72 | 2.63 | 5.08 |
| 16,588.00 | 88.48 | 167.16 | 11,273.60 | -5,460.02 | 1,215.71 | 696,654.98 | 1,099,861.71 | 31.5500267 | -103.2233046 | 5,581.89 | 3.30 | -1.87 | -2.71 |
| 16,682.00 | 87.87 | 167.96 | 11,276.60 | -5,551.77 | 1,235.95 | 696,563.23 | 1,099,881.95 | 31.5497760 | -103.2232320 | 5,675.64 | 1.07 | -0.65 | 0.85 |
| 16,776.00 | 87.74 | 169.27 | 11,280.20 | -5,643.85 | 1,254.49 | 696,471.15 | 1,099,900.49 | 31.5495243 | -103.2231648 | 5,769.22 | 1.40 | -0.14 | 1.39 |
| 16,870.00 | 88.57 | 167.34 | 11,283.23 | -5,735.84 | 1,273.54 | 696,379.16 | 1,099,919.54 | 31.5492728 | -103.2230960 | 5,862.87 | 2.23 | 0.88 | -2.05 |
| 16,963.00 | 88.97 | 165.05 | 11,285.22 | -5,826.13 | 1,295.72 | 696,288.87 | 1,099,941.72 | 31.5490262 | -103.2230173 | 5,955.75 | 2.50 | 0.43 | -2.46 |
| 17,057.00 | 90.37 | 165.41 | 11,285.76 | -5,917.02 | 1,319.69 | 696,197.98 | 1,099,965.69 | 31.5487781 | -103.2229328 | 6,049.72 | 1.54 | 1.49 | 0.38 |
| 17,151.00 | 88.40 | 162.51 | 11,286.77 | -6,007.34 | 1,345.65 | 696,107.66 | 1,099,991.65 | 31.5485318 | -103.2228420 | 6,143.69 | 3.73 | -2.10 | -3.09 |
| 17,245.00 | 89.32 | 165.93 | 11,288.64 | -6,097.77 | 1,371.21 | 696,017.23 | 1,100,017.21 | 31.5482851 | -103.2227524 | 6,237.66 | 3.77 | 0.98 | 3.64 |

Survey Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Company: | Continental Resources, Inc. | Local Co-ordinate Reference: | Well UTL 0201A 0301H |
| Project: | Ward County, TX (NAD27) | TVD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: | UTL 0201 | MD Reference: | 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: | UTL 0201A 0301H | North Reference: | Grid |
| Wellbore: | ST01 | Survey Calculation Method: | Minimum Curvature |
| Design: | ST01 Svy | Database: | .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Geo Coordinates | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|---------|---------|-----------------------|-------------------|--------------|-----------------|----------------|-----------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude (°) | Longitude (°) | | | | |
| 17,339.00 | 87.96 | 163.38 | 11,290.87 | -6,188.38 | 1,396.07 | 695,926.62 | 1,100,042.07 | 31.5480378 | -103.2226651 | 6,331.61 | 3.07 | -1.45 | -2.71 |
| 17,433.00 | 89.14 | 165.67 | 11,293.25 | -6,278.94 | 1,421.14 | 695,836.06 | 1,100,067.14 | 31.5477907 | -103.2225771 | 6,425.56 | 2.74 | 1.26 | 2.44 |
| 17,527.00 | 89.19 | 165.05 | 11,294.62 | -6,369.87 | 1,444.90 | 695,745.13 | 1,100,090.90 | 31.5475425 | -103.2224933 | 6,519.51 | 0.66 | 0.05 | -0.66 |
| 17,621.00 | 88.40 | 161.10 | 11,296.60 | -6,459.76 | 1,472.25 | 695,655.24 | 1,100,118.25 | 31.5472974 | -103.2223980 | 6,613.47 | 4.28 | -0.84 | -4.20 |
| 17,715.00 | 88.22 | 158.81 | 11,299.37 | -6,548.03 | 1,504.45 | 695,566.97 | 1,100,150.45 | 31.5470571 | -103.2222873 | 6,707.22 | 2.44 | -0.19 | -2.44 |
| 17,809.00 | 90.24 | 163.03 | 11,300.64 | -6,636.83 | 1,535.17 | 695,478.17 | 1,100,181.17 | 31.5468153 | -103.2221813 | 6,801.07 | 4.98 | 2.15 | 4.49 |
| 17,903.00 | 89.76 | 163.47 | 11,300.64 | -6,726.84 | 1,562.26 | 695,388.16 | 1,100,208.26 | 31.5465698 | -103.2220869 | 6,895.07 | 0.69 | -0.51 | 0.47 |
| 17,997.00 | 87.52 | 161.36 | 11,302.87 | -6,816.41 | 1,590.65 | 695,298.59 | 1,100,236.65 | 31.5463257 | -103.2219883 | 6,989.00 | 3.27 | -2.38 | -2.24 |
| 18,090.00 | 89.36 | 169.19 | 11,305.40 | -6,906.25 | 1,614.25 | 695,208.75 | 1,100,260.25 | 31.5460805 | -103.2219051 | 7,081.86 | 8.65 | 1.98 | 8.42 |
| 18,184.00 | 89.36 | 170.94 | 11,306.45 | -6,998.83 | 1,630.47 | 695,116.17 | 1,100,276.47 | 31.5458272 | -103.2218453 | 7,175.27 | 1.86 | 0.00 | 1.86 |
| 18,291.00 | 88.92 | 165.23 | 11,308.06 | -7,103.47 | 1,652.55 | 695,011.53 | 1,100,298.55 | 31.5455412 | -103.2217658 | 7,281.91 | 5.35 | -0.41 | -5.34 |
| 18,385.00 | 90.29 | 164.26 | 11,308.71 | -7,194.15 | 1,677.28 | 694,920.85 | 1,100,323.28 | 31.5452937 | -103.2216788 | 7,375.89 | 1.79 | 1.46 | -1.03 |
| 18,478.00 | 89.19 | 157.50 | 11,309.13 | -7,281.97 | 1,707.72 | 694,833.03 | 1,100,353.72 | 31.5450545 | -103.2215738 | 7,468.72 | 7.36 | -1.18 | -7.27 |
| 18,572.00 | 90.59 | 161.45 | 11,309.31 | -7,369.98 | 1,740.67 | 694,745.02 | 1,100,386.67 | 31.5448150 | -103.2214608 | 7,562.44 | 4.46 | 1.49 | 4.20 |
| 18,666.00 | 91.47 | 162.15 | 11,307.62 | -7,459.26 | 1,770.03 | 694,655.74 | 1,100,416.03 | 31.5445717 | -103.2213591 | 7,656.37 | 1.20 | 0.94 | 0.74 |
| 18,760.00 | 91.69 | 160.31 | 11,305.03 | -7,548.23 | 1,800.26 | 694,566.77 | 1,100,446.26 | 31.5443294 | -103.2212547 | 7,750.24 | 1.97 | 0.23 | -1.96 |
| 18,853.00 | 92.70 | 160.22 | 11,301.47 | -7,635.70 | 1,831.64 | 694,479.30 | 1,100,477.64 | 31.5440912 | -103.2211467 | 7,843.00 | 1.09 | 1.09 | -0.10 |
| 18,948.00 | 92.70 | 161.01 | 11,296.99 | -7,725.21 | 1,863.14 | 694,389.79 | 1,100,509.14 | 31.5438474 | -103.2210382 | 7,937.75 | 0.83 | 0.00 | 0.83 |
| 19,041.00 | 92.75 | 161.54 | 11,292.57 | -7,813.19 | 1,892.96 | 694,301.81 | 1,100,538.96 | 31.5436078 | -103.2209351 | 8,030.56 | 0.57 | 0.05 | 0.57 |
| 19,135.00 | 92.04 | 162.59 | 11,288.64 | -7,902.54 | 1,921.88 | 694,212.46 | 1,100,567.88 | 31.5433643 | -103.2208349 | 8,124.44 | 1.35 | -0.76 | 1.12 |
| 19,228.00 | 89.10 | 157.94 | 11,287.72 | -7,990.04 | 1,953.27 | 694,124.96 | 1,100,599.27 | 31.5431260 | -103.2207269 | 8,217.23 | 5.91 | -3.16 | -5.00 |
| 19,322.00 | 89.67 | 162.24 | 11,288.73 | -8,078.40 | 1,985.27 | 694,036.60 | 1,100,631.27 | 31.5428855 | -103.2206168 | 8,311.02 | 4.61 | 0.61 | 4.57 |
| 19,416.00 | 90.37 | 166.20 | 11,288.70 | -8,168.84 | 2,010.83 | 693,946.16 | 1,100,656.83 | 31.5426388 | -103.2205273 | 8,404.99 | 4.28 | 0.74 | 4.21 |
| 19,510.00 | 91.60 | 166.20 | 11,287.08 | -8,260.11 | 2,033.25 | 693,854.89 | 1,100,679.25 | 31.5423895 | -103.2204477 | 8,498.89 | 1.31 | 1.31 | 0.00 |
| 19,604.00 | 89.05 | 160.13 | 11,286.55 | -8,350.03 | 2,060.46 | 693,764.97 | 1,100,706.46 | 31.5421443 | -103.2203529 | 8,592.83 | 7.00 | -2.71 | -6.46 |
| 19,698.00 | 88.04 | 157.67 | 11,288.93 | -8,437.69 | 2,094.28 | 693,677.31 | 1,100,740.28 | 31.5419058 | -103.2202371 | 8,686.46 | 2.83 | -1.07 | -2.62 |
| 19,792.00 | 87.74 | 158.46 | 11,292.39 | -8,524.83 | 2,129.37 | 693,590.17 | 1,100,775.37 | 31.5416689 | -103.2201172 | 8,779.94 | 0.90 | -0.32 | 0.84 |
| 19,886.00 | 87.87 | 158.46 | 11,295.99 | -8,612.20 | 2,163.86 | 693,502.80 | 1,100,809.86 | 31.5414312 | -103.2199993 | 8,873.47 | 0.14 | 0.14 | 0.00 |
| 19,980.00 | 88.22 | 160.66 | 11,299.20 | -8,700.22 | 2,196.67 | 693,414.78 | 1,100,842.67 | 31.5411916 | -103.2198867 | 8,967.17 | 2.37 | 0.37 | 2.34 |
| 20,073.00 | 88.22 | 160.84 | 11,302.09 | -8,787.98 | 2,227.31 | 693,327.02 | 1,100,873.31 | 31.5409526 | -103.2197810 | 9,060.00 | 0.19 | 0.00 | 0.19 |
| 20,168.00 | 88.13 | 161.63 | 11,305.12 | -8,877.88 | 2,257.86 | 693,237.12 | 1,100,903.86 | 31.5407077 | -103.2196756 | 9,154.86 | 0.84 | -0.09 | 0.83 |
| 20,262.00 | 87.25 | 162.07 | 11,308.90 | -8,967.13 | 2,287.11 | 693,147.87 | 1,100,933.11 | 31.5404645 | -103.2195742 | 9,248.73 | 1.05 | -0.94 | 0.47 |
| 20,356.00 | 86.59 | 164.53 | 11,313.96 | -9,057.03 | 2,314.09 | 693,057.97 | 1,100,960.09 | 31.5402194 | -103.2194802 | 9,342.58 | 2.71 | -0.70 | 2.62 |
| 20,450.00 | 86.77 | 165.32 | 11,319.40 | -9,147.64 | 2,338.49 | 692,967.36 | 1,100,984.49 | 31.5399721 | -103.2193943 | 9,436.41 | 0.86 | 0.19 | 0.84 |
| 20,544.00 | 85.93 | 166.29 | 11,325.38 | -9,238.59 | 2,361.50 | 692,876.41 | 1,101,007.50 | 31.5397238 | -103.2193130 | 9,530.15 | 1.36 | -0.89 | 1.03 |
| 20,639.00 | 85.05 | 166.37 | 11,332.85 | -9,330.61 | 2,383.88 | 692,784.39 | 1,101,029.88 | 31.5394725 | -103.2192335 | 9,624.76 | 0.93 | -0.93 | 0.08 |
| 20,733.00 | 85.85 | 167.69 | 11,340.31 | -9,421.92 | 2,404.91 | 692,693.08 | 1,101,050.91 | 31.5392230 | -103.2191584 | 9,718.30 | 1.64 | 0.85 | 1.40 |

Survey Report

| | |
|---|--|
| Company: Continental Resources, Inc. | Local Co-ordinate Reference: Well UTL 0201A 0301H |
| Project: Ward County, TX (NAD27) | TVD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Site: UTL 0201 | MD Reference: 2689' GL + 21.6' KB @ 2710.60usft (Unit 407) |
| Well: UTL 0201A 0301H | North Reference: Grid |
| Wellbore: ST01 | Survey Calculation Method: Minimum Curvature |
| Design: ST01 Svy | Database: .Total Directional Production DB |

Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Geo Coordinates (°) | | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|---------|---------|-----------------------|--------------------------|----------|------------------------|--------------|---------------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| | | | | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | | | | |
| 20,826.00 | 87.60 | 167.16 | 11,345.62 | -9,512.54 | 2,425.12 | 692,602.46 | 1,101,071.12 | 31.5389754 | -103.2190860 | 9,810.95 | 1.97 | 1.88 | -0.57 |
| 20,920.00 | 88.84 | 166.20 | 11,348.54 | -9,603.96 | 2,446.77 | 692,511.04 | 1,101,092.77 | 31.5387257 | -103.2190089 | 9,904.78 | 1.67 | 1.32 | -1.02 |
| 21,014.00 | 88.57 | 162.07 | 11,350.67 | -9,694.34 | 2,472.45 | 692,420.66 | 1,101,118.45 | 31.5384791 | -103.2189190 | 9,998.73 | 4.40 | -0.29 | -4.39 |
| 21,108.00 | 87.38 | 161.01 | 11,353.99 | -9,783.44 | 2,502.20 | 692,331.56 | 1,101,148.20 | 31.5382364 | -103.2188161 | 10,092.60 | 1.69 | -1.27 | -1.13 |
| 21,203.00 | 86.99 | 160.75 | 11,358.66 | -9,873.09 | 2,533.28 | 692,241.91 | 1,101,179.28 | 31.5379922 | -103.2187089 | 10,187.37 | 0.49 | -0.41 | -0.27 |
| 21,297.00 | 86.29 | 160.66 | 11,364.17 | -9,961.66 | 2,564.28 | 692,153.34 | 1,101,210.28 | 31.5377510 | -103.2186021 | 10,281.08 | 0.75 | -0.74 | -0.10 |
| 21,391.00 | 86.15 | 161.10 | 11,370.36 | -10,050.28 | 2,595.01 | 692,064.72 | 1,101,241.00 | 31.5375096 | -103.2184961 | 10,374.76 | 0.49 | -0.15 | 0.47 |
| 21,485.00 | 85.98 | 161.36 | 11,376.81 | -10,139.07 | 2,625.18 | 691,975.93 | 1,101,271.18 | 31.5372677 | -103.2183919 | 10,468.45 | 0.33 | -0.18 | 0.28 |
| 21,559.00 | 85.93 | 161.28 | 11,382.03 | -10,209.00 | 2,648.82 | 691,906.00 | 1,101,294.82 | 31.5370772 | -103.2183102 | 10,542.20 | 0.13 | -0.07 | -0.11 |
| ST01 Last Svy: 21559.00' MD, 11382.03' TVD | | | | | | | | | | | | | |
| 21,590.00 | 85.93 | 161.28 | 11,384.23 | -10,238.28 | 2,658.75 | 691,876.72 | 1,101,304.75 | 31.5369975 | -103.2182759 | 10,573.09 | 0.00 | 0.00 | 0.00 |
| BTM Float Shoe: 21590.00' MD (409' FWL, 119' FSL) | | | | | | | | | | | | | |
| 21,609.00 | 85.93 | 161.28 | 11,385.58 | -10,256.23 | 2,664.83 | 691,858.77 | 1,101,310.83 | 31.5369486 | -103.2182549 | 10,592.03 | 0.00 | 0.00 | 0.00 |
| ST01 PTB: 21609.00' MD (410' FWL, 100' FSL) | | | | | | | | | | | | | |

Design Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|
| TD - BHL (UTL 0201A 0: - hit/miss target - Shape - Point) | 0.00 | 360.00 | 11,385.58 | -10,256.23 | 2,664.83 | 691,858.76 | 1,101,310.83 | 31.5369486 | -103.2182549 |

Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Comment |
|-----------------------|-----------------------|--------------|--------------|---|
| 10,520.50 | 10,498.25 | -152.04 | -394.40 | TOP Liner Ext: 10520.50' MD (306' FWL, 84' FSL) |
| 10,789.00 | 10,766.69 | -155.93 | -390.21 | KOP: 10789.00' MD (308' BWL, 79' FSL) |
| 11,045.50 | 11,004.62 | -229.64 | -357.85 | Unit Entry: 11045.50' MD (319' FWL) |
| 11,182.70 | 11,098.14 | -325.47 | -329.85 | HL Cross: 11182.70' MD (319' FWL, 100' FNL) |
| 11,618.00 | 11,247.03 | -707.73 | -215.86 | Land: 11618.00' MD |
| 16,411.70 | 11,271.34 | -5,287.59 | 1,179.23 | Sec Cross: 16411.70' MD (377' FWL) |
| 21,559.00 | 11,382.03 | -10,209.00 | 2,648.82 | ST01 Last Svy: 21559.00' MD, 11382.03' TVD |
| 21,590.00 | 11,384.23 | -10,238.28 | 2,658.75 | BTM Float Shoe: 21590.00' MD (409' FWL, 119' FSL) |
| 21,609.00 | 11,385.58 | -10,256.23 | 2,664.83 | ST01 PTB: 21609.00' MD (410' FWL, 100' FSL) |

Checked By: _____ Approved By: _____ Date: _____



Total Directional
"Driven by TOTAL performance"

MWD Survey Certification

Ward County, Texas

Client: Continental Resources

Well Name: UTL 0201A 0301H

ST1

Total Job No: SW - 231882

API No: 42 - 475 - 38674

Start Date: 01-12-2024

End Date: 01-16-2024

Measured Start Depth: 18,184' feet

Measured End Depth: 21,609' feet

Survey Correction Company Used: N/A

I, Juan Ortiz, certify that; I am contracted by Total Directional Services, LLC and I conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 01/16/2024

Signed: *Juan Ortiz*