

☒ AMENDED REPORT  
as-Drilled

Date of Survey \_\_\_\_\_

Signature and Seal of Professional Surveyor: \_\_\_\_\_

Certificate Number \_\_\_\_\_

Professional Surveyor No. 5225C

Intent ☐ As Drilled ☒

API #  
300-15-45278

|                                                            |                                             |                     |
|------------------------------------------------------------|---------------------------------------------|---------------------|
| Operator Name:<br>DEVON ENERGY PRODUCTION<br>COMPANY, L.P. | Property Name:<br>BELLOQ 11-2 FED STATE COM | Well Number<br>234H |
|------------------------------------------------------------|---------------------------------------------|---------------------|

Kick Off Point (KOP)

|                        |               |                 |              |     |                          |                   |             |                  |                |
|------------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>P                | Section<br>11 | Township<br>23S | Range<br>31E | Lot | Feet<br>250              | From N/S<br>SOUTH | Feet<br>708 | From E/W<br>EAST | County<br>EDDY |
| Latitude<br>32.3123939 |               |                 |              |     | Longitude<br>103.7423199 |                   |             | NAD<br>83        |                |

First Take Point (FTP)

|                        |               |                 |              |     |                          |                   |             |                  |                |
|------------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>P                | Section<br>11 | Township<br>23S | Range<br>31E | Lot | Feet<br>706              | From N/S<br>SOUTH | Feet<br>705 | From E/W<br>EAST | County<br>EDDY |
| Latitude<br>32.3136461 |               |                 |              |     | Longitude<br>103.7423081 |                   |             | NAD<br>83        |                |

Last Take Point (LTP)

|                        |              |                 |              |          |                          |                   |             |                  |                |
|------------------------|--------------|-----------------|--------------|----------|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>A                | Section<br>2 | Township<br>23S | Range<br>31E | Lot<br>1 | Feet<br>194              | From N/S<br>NORTH | Feet<br>672 | From E/W<br>EAST | County<br>EDDY |
| Latitude<br>32.3401931 |              |                 |              |          | Longitude<br>103.7422285 |                   |             | NAD<br>83        |                |

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

|                |                |             |
|----------------|----------------|-------------|
| Operator Name: | Property Name: | Well Number |
|----------------|----------------|-------------|

KZ 06/29/2018

SEP 12 2019

DISTRICT 7 ARTESIA O.C.D.

DEVON

# SURVEY REPORT

BELLOUT 11-2 FED STATE COM #234H

H&P 466

3/11/2019

This survey is correct to the best of my knowledge and is supported by actual field data.

Harry Joe Day

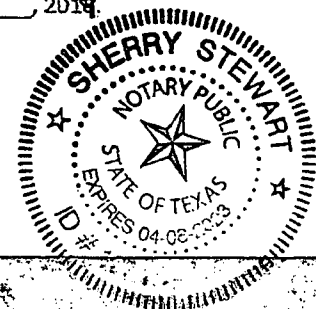
Notarized this date 16<sup>th</sup> of August, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



The Ultimate Partner In Wellbore Placement

**SURVEY REPORT**

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

CUSTOMER Devon  
PROJECT Belloq 11-2 Fed State Com #234H  
FIELD Bone Springs

SDI JOB NO. OP:017157  
SDI DISTRICT Midland  
SDI KIT/UNIT KIT MUD PULSE

**SITE INFORMATION**

Site Name Belloq 11-2 Fed State Com #234H  
Lat/Long 32° 18' 45.241" N, 103° 45' 20.053" W  
Northing 477,925.32 ft  
Easting 719,828.19 ft

Section -  
Township -  
Range -

**MAP INFORMATION**

North Reference Grid North  
Grid Correction -0.31 deg  
System US State Plane 1983  
Datum North American Datum 1983 (GRS 1980)  
Map Zone New Mexico East: 3001

**WELL INFORMATION**

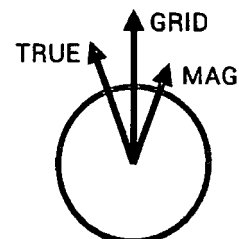
Lat/Long 32° 18' 47.091" N, 103° 44' 32.251" W  
Northing 478,134.61 ft  
Easting 723,929.41 ft  
UWI 30-015-45278

**DEPTH AND ELEVATION REFERENCE**

Ground Level 3487 ft above Mean Sea Level  
Reference Datum RKB  
Reference Height 25.5 ft above G.L.  
Reference Elevation 3512.5 ft

**VERTICAL SECTION REFERENCE**

+N/-S 0 ft  
+E/-W 0 ft  
Proposal Direction 359.87°  
Calculation Method Minimum Curvature

**GEOMAGNETIC REFERENCE INFORMATION**

Local Gravity: 998.500 mG [computed]

| MD         | MODEL    | DATE        | DECLINATION | TRUE TO GRID   | MAG TO GRID |
|------------|----------|-------------|-------------|----------------|-------------|
| 0-20486 ft | HDGM2018 | 10 Mar 2019 | 6.83°       | subtract 0.31° | add 6.52°   |

**WELL NOTES**

Survey @ 20486' is a straight line projection to the bit

**OPERATORS**

D. FERGUSON, E. GLASS, J. BEARDEN

SDI Operator Name (Printed)

SIGNATURE

DATE

## SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD      | INC  | AZIM   | TVD     | VS    | +N/-S | +E/-W  | DLS     | CLOSURE<br>DIST | CLOSURE<br>DIR |
|---------|------|--------|---------|-------|-------|--------|---------|-----------------|----------------|
| ft      | deg  | deg    | ft      | ft    | ft    | ft     | %/100ft | ft              | deg            |
| 0.00    | 0.00 | 0.00   | 0.00    | 0.00  | 0.00  | 0.00   | Invalid | 0.00            | 0.00           |
| 115.00  | 0.31 | 232.16 | 115.00  | -0.19 | -0.19 | -0.25  | 0.27    | 0.31            | 232.16         |
| 239.00  | 0.60 | 236.67 | 239.00  | -0.75 | -0.75 | -1.05  | 0.24    | 1.29            | 234.42         |
| 331.00  | 0.47 | 247.04 | 330.99  | -1.16 | -1.17 | -1.80  | 0.18    | 2.15            | 237.13         |
| 423.00  | 0.59 | 252.93 | 422.99  | -1.44 | -1.45 | -2.60  | 0.14    | 2.98            | 240.85         |
| 515.00  | 0.53 | 242.22 | 514.98  | -1.78 | -1.79 | -3.42  | 0.13    | 3.86            | 242.46         |
| 607.00  | 0.66 | 258.77 | 606.98  | -2.08 | -2.09 | -4.32  | 0.24    | 4.79            | 244.22         |
| 700.00  | 0.81 | 249.04 | 699.97  | -2.41 | -2.42 | -5.46  | 0.21    | 5.97            | 246.05         |
| 762.00  | 0.70 | 251.00 | 761.97  | -2.69 | -2.70 | -6.22  | 0.18    | 6.79            | 246.51         |
| 885.00  | 0.52 | 285.98 | 884.96  | -2.78 | -2.79 | -7.47  | 0.33    | 7.98            | 249.50         |
| 977.00  | 0.84 | 295.68 | 976.95  | -2.37 | -2.39 | -8.48  | 0.37    | 8.81            | 254.29         |
| 1068.00 | 0.55 | 300.31 | 1067.95 | -1.86 | -1.88 | -9.46  | 0.32    | 9.65            | 258.78         |
| 1161.00 | 0.81 | 314.87 | 1160.94 | -1.16 | -1.19 | -10.32 | 0.33    | 10.38           | 263.44         |
| 1253.00 | 0.62 | 301.48 | 1252.93 | -0.44 | -0.47 | -11.20 | 0.28    | 11.21           | 267.61         |
| 1345.00 | 0.81 | 315.57 | 1344.92 | 0.28  | 0.26  | -12.08 | 0.28    | 12.08           | 271.22         |
| 1438.00 | 0.74 | 313.16 | 1437.92 | 1.17  | 1.14  | -12.98 | 0.09    | 13.03           | 275.00         |
| 1529.00 | 0.26 | 313.27 | 1528.91 | 1.71  | 1.67  | -13.55 | 0.53    | 13.65           | 277.04         |
| 1621.00 | 0.32 | 348.12 | 1620.91 | 2.10  | 2.07  | -13.75 | 0.20    | 13.91           | 278.54         |
| 1713.00 | 0.59 | 288.11 | 1712.91 | 2.50  | 2.46  | -14.26 | 0.56    | 14.47           | 279.80         |
| 1807.00 | 0.47 | 345.67 | 1806.91 | 3.02  | 2.99  | -14.82 | 0.56    | 15.12           | 281.39         |
| 1901.00 | 0.26 | 343.36 | 1900.90 | 3.59  | 3.56  | -14.97 | 0.22    | 15.39           | 283.36         |
| 1995.00 | 0.43 | 289.29 | 1994.90 | 3.91  | 3.87  | -15.36 | 0.37    | 15.84           | 284.15         |
| 2089.00 | 0.57 | 309.52 | 2088.90 | 4.32  | 4.29  | -16.06 | 0.24    | 16.62           | 284.95         |
| 2183.00 | 0.42 | 328.36 | 2182.89 | 4.91  | 4.88  | -16.60 | 0.24    | 17.30           | 286.37         |
| 2277.00 | 0.17 | 272.38 | 2276.89 | 5.21  | 5.17  | -16.91 | 0.37    | 17.69           | 287.00         |
| 2372.00 | 0.13 | 260.75 | 2371.89 | 5.20  | 5.16  | -17.17 | 0.05    | 17.93           | 286.73         |
| 2466.00 | 0.21 | 320.43 | 2465.89 | 5.32  | 5.28  | -17.39 | 0.20    | 18.17           | 286.89         |
| 2560.00 | 0.27 | 322.46 | 2559.89 | 5.63  | 5.59  | -17.63 | 0.06    | 18.50           | 287.59         |
| 2654.00 | 0.62 | 260.94 | 2653.89 | 5.73  | 5.69  | -18.27 | 0.58    | 19.14           | 287.29         |
| 2749.00 | 0.48 | 236.20 | 2748.89 | 5.43  | 5.38  | -19.11 | 0.29    | 19.85           | 285.74         |
| 2843.00 | 0.90 | 236.57 | 2842.88 | 4.80  | 4.76  | -20.05 | 0.45    | 20.61           | 283.34         |
| 2937.00 | 1.07 | 229.91 | 2936.86 | 3.83  | 3.79  | -21.34 | 0.21    | 21.68           | 280.06         |

## SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|-----------------------|-----------------------|
| 3032.00  | 1.50       | 201.19      | 3031.84   | 2.11     | 2.06        | -22.47      | 0.80           | 22.56                 | 275.23                |
| 3126.00  | 2.44       | 181.77      | 3125.79   | -1.04    | -1.09       | -22.97      | 1.21           | 23.00                 | 267.28                |
| 3221.00  | 3.94       | 166.97      | 3220.64   | -6.24    | -6.29       | -22.30      | 1.79           | 23.17                 | 254.25                |
| 3315.00  | 6.08       | 162.00      | 3314.27   | -14.13   | -14.17      | -20.03      | 2.33           | 24.54                 | 234.72                |
| 3410.00  | 6.57       | 160.67      | 3408.69   | -24.06   | -24.09      | -16.68      | 0.54           | 29.30                 | 214.69                |
| 3504.00  | 6.54       | 162.93      | 3502.08   | -34.26   | -34.29      | -13.33      | 0.28           | 36.79                 | 201.24                |
| 3598.00  | 6.74       | 171.21      | 3595.45   | -44.83   | -44.85      | -10.91      | 1.04           | 46.16                 | 193.67                |
| 3692.00  | 6.79       | 177.47      | 3688.80   | -55.83   | -55.85      | -9.83       | 0.79           | 56.71                 | 189.98                |
| 3786.00  | 6.91       | 177.90      | 3782.13   | -67.03   | -67.05      | -9.37       | 0.15           | 67.70                 | 187.96                |
| 3881.00  | 6.64       | 175.76      | 3876.46   | -78.22   | -78.24      | -8.76       | 0.39           | 78.73                 | 186.39                |
| 3975.00  | 6.84       | 183.79      | 3969.82   | -89.23   | -89.25      | -8.73       | 1.02           | 89.67                 | 185.58                |
| 4069.00  | 7.00       | 185.62      | 4063.13   | -100.51  | -100.54     | -9.66       | 0.29           | 101.00                | 185.49                |
| 4164.00  | 6.99       | 183.01      | 4157.42   | -112.05  | -112.07     | -10.53      | 0.34           | 112.57                | 185.37                |
| 4267.00  | 6.77       | 182.61      | 4259.68   | -124.37  | -124.40     | -11.13      | 0.22           | 124.90                | 185.11                |
| 4440.00  | 5.52       | 183.25      | 4431.69   | -142.86  | -142.89     | -12.07      | 0.72           | 143.40                | 184.83                |
| 4534.00  | 5.28       | 185.10      | 4525.27   | -151.68  | -151.71     | -12.71      | 0.31           | 152.24                | 184.79                |
| 4628.00  | 5.30       | 183.83      | 4618.87   | -160.31  | -160.35     | -13.39      | 0.13           | 160.90                | 184.77                |
| 4722.00  | 5.59       | 183.20      | 4712.44   | -169.22  | -169.25     | -13.93      | 0.32           | 169.82                | 184.71                |
| 4816.00  | 5.43       | 183.94      | 4806.01   | -178.22  | -178.26     | -14.49      | 0.19           | 178.84                | 184.65                |
| 4911.00  | 5.52       | 181.10      | 4900.58   | -187.28  | -187.31     | -14.89      | 0.30           | 187.90                | 184.54                |
| 5005.00  | 5.53       | 180.70      | 4994.14   | -196.32  | -196.36     | -15.03      | 0.04           | 196.93                | 184.38                |
| 5099.00  | 5.57       | 179.64      | 5087.70   | -205.41  | -205.45     | -15.06      | 0.12           | 206.00                | 184.19                |
| 5194.00  | 5.77       | 177.96      | 5182.23   | -214.80  | -214.83     | -14.86      | 0.28           | 215.35                | 183.96                |
| 5288.00  | 5.75       | 177.54      | 5275.76   | -224.23  | -224.27     | -14.49      | 0.05           | 224.73                | 183.70                |
| 5382.00  | 5.45       | 175.75      | 5369.31   | -233.39  | -233.42     | -13.95      | 0.37           | 233.84                | 183.42                |
| 5477.00  | 5.46       | 174.21      | 5463.88   | -242.38  | -242.41     | -13.17      | 0.15           | 242.77                | 183.11                |
| 5571.00  | 5.01       | 179.32      | 5557.49   | -250.93  | -250.96     | -12.67      | 0.68           | 251.28                | 182.89                |
| 5666.00  | 3.59       | 178.41      | 5652.22   | -258.06  | -258.08     | -12.53      | 1.50           | 258.39                | 182.78                |
| 5760.00  | 2.35       | 180.64      | 5746.09   | -262.92  | -262.95     | -12.47      | 1.32           | 263.25                | 182.72                |
| 5854.00  | 0.96       | 138.81      | 5840.05   | -265.44  | -265.47     | -11.98      | 1.87           | 265.74                | 182.58                |
| 5948.00  | 1.19       | 112.71      | 5934.04   | -266.41  | -266.44     | -10.56      | 0.57           | 266.65                | 182.27                |
| 6043.00  | 0.82       | 88.36       | 6029.02   | -266.78  | -266.80     | -8.97       | 0.58           | 266.95                | 181.93                |

## SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/S<br>ft | +E/W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|------------|------------|----------------|-----------------------|-----------------------|
| 6138.00  | 0.81       | 77.35       | 6124.01   | -266.61  | -266.63    | -7.64      | 0.17           | 266.74                | 181.64                |
| 6232.00  | 0.81       | 74.35       | 6218.00   | -266.29  | -266.31    | -6.35      | 0.05           | 266.38                | 181.37                |
| 6326.00  | 0.90       | 68.24       | 6311.99   | -265.84  | -265.86    | -5.03      | 0.14           | 265.90                | 181.08                |
| 6421.00  | 0.98       | 68.25       | 6406.98   | -265.27  | -265.28    | -3.58      | 0.08           | 265.30                | 180.77                |
| 6515.00  | 0.43       | 41.23       | 6500.97   | -264.71  | -264.72    | -2.61      | 0.67           | 264.73                | 180.56                |
| 6610.00  | 0.54       | 33.02       | 6595.97   | -264.07  | -264.08    | -2.13      | 0.14           | 264.09                | 180.46                |
| 6704.00  | 0.31       | 42.29       | 6689.97   | -263.52  | -263.52    | -1.72      | 0.25           | 263.53                | 180.37                |
| 6798.00  | 0.37       | 30.20       | 6783.97   | -263.07  | -263.07    | -1.40      | 0.10           | 263.08                | 180.30                |
| 6893.00  | 0.42       | 57.96       | 6878.96   | -262.62  | -262.62    | -0.95      | 0.21           | 262.62                | 180.21                |
| 6987.00  | 0.17       | 51.70       | 6972.96   | -262.35  | -262.35    | -0.55      | 0.27           | 262.35                | 180.12                |
| 7081.00  | 0.08       | 50.53       | 7066.96   | -262.23  | -262.23    | -0.39      | 0.10           | 262.23                | 180.09                |
| 7175.00  | 0.05       | 150.07      | 7160.96   | -262.22  | -262.22    | -0.32      | 0.10           | 262.22                | 180.07                |
| 7269.00  | 0.27       | 103.23      | 7254.96   | -262.31  | -262.31    | -0.09      | 0.26           | 262.31                | 180.02                |
| 7363.00  | 0.14       | 85.96       | 7348.96   | -262.35  | -262.35    | 0.24       | 0.15           | 262.35                | 179.95                |
| 7458.00  | 0.24       | 152.43      | 7443.96   | -262.52  | -262.52    | 0.45       | 0.23           | 262.52                | 179.90                |
| 7552.00  | 0.17       | 132.48      | 7537.96   | -262.79  | -262.78    | 0.65       | 0.10           | 262.79                | 179.86                |
| 7646.00  | 0.36       | 140.37      | 7631.96   | -263.11  | -263.11    | 0.94       | 0.21           | 263.11                | 179.80                |
| 7740.00  | 0.30       | 157.18      | 7725.96   | -263.57  | -263.57    | 1.23       | 0.12           | 263.57                | 179.73                |
| 7835.00  | 0.44       | 187.20      | 7820.95   | -264.16  | -264.16    | 1.28       | 0.25           | 264.16                | 179.72                |
| 7929.00  | 0.49       | 169.28      | 7914.95   | -264.92  | -264.92    | 1.31       | 0.17           | 264.92                | 179.72                |
| 8023.00  | 0.69       | 184.60      | 8008.95   | -265.88  | -265.88    | 1.34       | 0.26           | 265.88                | 179.71                |
| 8117.00  | 0.80       | 177.73      | 8102.94   | -267.10  | -267.09    | 1.32       | 0.15           | 267.10                | 179.72                |
| 8212.00  | 0.93       | 179.01      | 8197.93   | -268.53  | -268.53    | 1.36       | 0.15           | 268.53                | 179.71                |
| 8306.00  | 1.07       | 185.73      | 8291.91   | -270.17  | -270.17    | 1.28       | 0.19           | 270.17                | 179.73                |
| 8400.00  | 0.36       | 138.49      | 8385.91   | -271.26  | -271.26    | 1.39       | 0.92           | 271.26                | 179.71                |
| 8495.00  | 0.50       | 79.32       | 8480.90   | -271.40  | -271.40    | 2.00       | 0.47           | 271.41                | 179.58                |
| 8589.00  | 0.44       | 39.98       | 8574.90   | -271.05  | -271.05    | 2.63       | 0.34           | 271.06                | 179.44                |
| 8684.00  | 0.82       | 347.92      | 8669.90   | -270.11  | -270.10    | 2.72       | 0.69           | 270.12                | 179.42                |
| 8778.00  | 1.78       | 344.96      | 8763.87   | -268.04  | -268.03    | 2.20       | 1.02           | 268.04                | 179.53                |
| 8872.00  | 2.18       | 339.24      | 8857.81   | -264.96  | -264.96    | 1.19       | 0.47           | 264.96                | 179.74                |
| 8967.00  | 1.91       | 331.93      | 8952.75   | -261.87  | -261.87    | -0.19      | 0.39           | 261.87                | 180.04                |
| 9061.00  | 1.69       | 338.14      | 9046.71   | -259.19  | -259.20    | -1.45      | 0.31           | 259.20                | 180.32                |

# SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|-----------------------|-----------------------|
| 9155.00  | 1.70       | 336.50      | 9140.67   | -256.62  | -256.63     | -2.52       | 0.05           | 256.64                | 180.56                |
| 9249.00  | 1.97       | 331.75      | 9234.62   | -253.91  | -253.92     | -3.85       | 0.32           | 253.95                | 180.87                |
| 9343.00  | 1.64       | 321.38      | 9328.57   | -251.43  | -251.45     | -5.45       | 0.49           | 251.51                | 181.24                |
| 9437.00  | 1.54       | 296.26      | 9422.54   | -249.82  | -249.83     | -7.43       | 0.75           | 249.94                | 181.70                |
| 9532.00  | 1.09       | 261.41      | 9517.51   | -249.38  | -249.40     | -9.47       | 0.95           | 249.58                | 182.18                |
| 9626.00  | 0.36       | 158.49      | 9611.51   | -249.79  | -249.81     | -10.25      | 1.30           | 250.02                | 182.35                |
| 9720.00  | 0.92       | 119.85      | 9705.50   | -250.44  | -250.46     | -9.49       | 0.72           | 250.64                | 182.17                |
| 9774.00  | 1.10       | 123.85      | 9759.49   | -250.95  | -250.97     | -8.68       | 0.36           | 251.12                | 181.98                |
| 9816.00  | 1.42       | 120.85      | 9801.48   | -251.44  | -251.46     | -7.90       | 0.79           | 251.58                | 181.80                |
| 9910.00  | 9.34       | 14.94       | 9895.07   | -244.66  | -244.67     | -4.92       | 10.45          | 244.72                | 181.15                |
| 10005.00 | 22.18      | 3.90        | 9986.33   | -219.22  | -219.22     | -1.70       | 13.82          | 219.23                | 180.44                |
| 10052.00 | 26.90      | 4.29        | 10029.07  | -199.76  | -199.76     | -0.30       | 10.05          | 199.76                | 180.09                |
| 10099.00 | 31.26      | 4.94        | 10070.14  | -177.00  | -176.99     | 1.55        | 9.30           | 177.00                | 179.50                |
| 10147.00 | 35.72      | 2.92        | 10110.16  | -150.59  | -150.58     | 3.33        | 9.56           | 150.61                | 178.73                |
| 10194.00 | 38.46      | 358.64      | 10147.65  | -122.26  | -122.25     | 3.69        | 8.01           | 122.31                | 178.27                |
| 10241.00 | 43.02      | 356.76      | 10183.26  | -91.62   | -91.62      | 2.43        | 10.05          | 91.65                 | 178.48                |
| 10288.00 | 44.45      | 357.01      | 10217.21  | -59.18   | -59.17      | 0.67        | 3.06           | 59.18                 | 179.35                |
| 10335.00 | 47.00      | 357.65      | 10250.03  | -25.56   | -25.56      | -0.89       | 5.52           | 25.58                 | 182.00                |
| 10383.00 | 47.67      | 357.54      | 10282.56  | 9.71     | 9.70        | -2.37       | 1.41           | 9.99                  | 346.25                |
| 10430.00 | 52.74      | 359.66      | 10312.63  | 45.79    | 45.79       | -3.23       | 11.33          | 45.90                 | 355.96                |
| 10477.00 | 55.76      | 358.66      | 10340.09  | 83.93    | 83.92       | -3.79       | 6.65           | 84.01                 | 357.41                |
| 10524.00 | 55.95      | 358.24      | 10366.46  | 122.82   | 122.81      | -4.85       | 0.85           | 122.90                | 357.74                |
| 10571.00 | 62.23      | 359.38      | 10390.60  | 163.11   | 163.10      | -5.67       | 13.51          | 163.20                | 358.01                |
| 10618.00 | 67.51      | 359.42      | 10410.55  | 205.65   | 205.64      | -6.12       | 11.25          | 205.73                | 358.30                |
| 10665.00 | 72.70      | 358.84      | 10426.54  | 249.82   | 249.81      | -6.79       | 11.09          | 249.90                | 358.44                |
| 10712.00 | 78.20      | 358.07      | 10438.34  | 295.29   | 295.27      | -8.02       | 11.81          | 295.38                | 358.44                |
| 10823.00 | 85.06      | 356.08      | 10454.49  | 404.90   | 404.87      | -13.64      | 6.43           | 405.10                | 358.07                |
| 10917.00 | 89.46      | 356.87      | 10458.98  | 498.60   | 498.56      | -19.41      | 4.76           | 498.94                | 357.77                |
| 11009.00 | 90.97      | 358.03      | 10458.63  | 590.52   | 590.47      | -23.50      | 2.07           | 590.93                | 357.72                |
| 11101.00 | 89.06      | 358.31      | 10458.60  | 682.47   | 682.41      | -26.44      | 2.10           | 682.93                | 357.78                |
| 11193.00 | 89.53      | 357.54      | 10459.74  | 774.41   | 774.35      | -29.77      | 0.99           | 774.92                | 357.80                |
| 11285.00 | 90.00      | 0.01        | 10460.11  | 866.39   | 866.32      | -31.74      | 2.74           | 866.90                | 357.90                |



# SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/S<br>ft | +E/W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|------------|------------|----------------|-----------------------|-----------------------|
| 11377.00 | 90.67      | 0.56        | 10459.57  | 958.38   | 958.31     | -31.27     | 0.94           | 958.82                | 358.13                |
| 11469.00 | 91.34      | 0.27        | 10457.96  | 1050.36  | 1050.30    | -30.60     | 0.80           | 1050.74               | 358.33                |
| 11561.00 | 91.82      | 0.54        | 10455.42  | 1142.32  | 1142.26    | -29.95     | 0.59           | 1142.65               | 358.50                |
| 11653.00 | 90.07      | 359.91      | 10453.91  | 1234.30  | 1234.24    | -29.59     | 2.02           | 1234.60               | 358.63                |
| 11746.00 | 90.00      | 359.64      | 10453.86  | 1327.30  | 1327.24    | -29.95     | 0.30           | 1327.58               | 358.71                |
| 11838.00 | 90.30      | 359.54      | 10453.61  | 1419.30  | 1419.24    | -30.61     | 0.35           | 1419.57               | 358.76                |
| 11930.00 | 89.23      | 359.49      | 10453.99  | 1511.30  | 1511.23    | -31.39     | 1.17           | 1511.56               | 358.81                |
| 12022.00 | 89.70      | 0.13        | 10454.85  | 1603.29  | 1603.23    | -31.70     | 0.87           | 1603.54               | 358.87                |
| 12114.00 | 90.37      | 359.71      | 10454.80  | 1695.29  | 1695.23    | -31.83     | 0.87           | 1695.52               | 358.92                |
| 12205.00 | 88.46      | 358.50      | 10455.73  | 1786.27  | 1786.20    | -33.25     | 2.49           | 1786.51               | 358.93                |
| 12299.00 | 88.29      | 358.41      | 10458.40  | 1880.21  | 1880.13    | -35.78     | 0.20           | 1880.47               | 358.91                |
| 12394.00 | 88.59      | 358.48      | 10460.99  | 1975.14  | 1975.06    | -38.36     | 0.33           | 1975.43               | 358.89                |
| 12489.00 | 89.53      | 359.07      | 10462.55  | 2070.11  | 2070.03    | -40.39     | 1.17           | 2070.42               | 358.88                |
| 12583.00 | 90.50      | 359.87      | 10462.52  | 2164.11  | 2164.02    | -41.25     | 1.34           | 2164.41               | 358.91                |
| 12677.00 | 91.21      | 359.57      | 10461.12  | 2258.10  | 2258.01    | -41.71     | 0.82           | 2258.39               | 358.94                |
| 12771.00 | 91.21      | 359.75      | 10459.14  | 2352.07  | 2351.98    | -42.27     | 0.19           | 2352.36               | 358.97                |
| 12865.00 | 91.91      | 359.75      | 10456.58  | 2446.04  | 2445.95    | -42.69     | 0.75           | 2446.32               | 359.00                |
| 12960.00 | 90.20      | 0.68        | 10454.82  | 2541.02  | 2540.93    | -42.33     | 2.05           | 2541.28               | 359.05                |
| 13055.00 | 90.57      | 0.88        | 10454.18  | 2636.00  | 2635.92    | -41.03     | 0.44           | 2636.23               | 359.11                |
| 13150.00 | 88.69      | 1.86        | 10454.79  | 2730.96  | 2730.88    | -38.77     | 2.23           | 2731.16               | 359.19                |
| 13244.00 | 88.62      | 2.47        | 10457.00  | 2824.86  | 2824.79    | -35.22     | 0.66           | 2825.01               | 359.29                |
| 13338.00 | 89.43      | 2.86        | 10458.59  | 2918.73  | 2918.67    | -30.85     | 0.95           | 2918.83               | 359.39                |
| 13432.00 | 90.03      | 3.93        | 10459.04  | 3012.55  | 3012.50    | -25.28     | 1.31           | 3012.61               | 359.52                |
| 13527.00 | 88.19      | 0.80        | 10460.51  | 3107.44  | 3107.40    | -21.36     | 3.82           | 3107.47               | 359.61                |
| 13621.00 | 88.42      | 0.67        | 10463.29  | 3201.38  | 3201.35    | -20.16     | 0.28           | 3201.41               | 359.64                |
| 13715.00 | 87.58      | 357.11      | 10466.57  | 3295.30  | 3295.26    | -21.97     | 3.89           | 3295.33               | 359.62                |
| 13809.00 | 89.06      | 354.08      | 10469.32  | 3388.98  | 3388.92    | -29.19     | 3.59           | 3389.05               | 359.51                |
| 13903.00 | 89.63      | 353.65      | 10470.40  | 3482.46  | 3482.38    | -39.24     | 0.76           | 3482.60               | 359.35                |
| 13997.00 | 90.30      | 353.59      | 10470.45  | 3575.90  | 3575.80    | -49.69     | 0.72           | 3576.14               | 359.20                |
| 14092.00 | 90.74      | 353.97      | 10469.59  | 3670.36  | 3670.23    | -59.99     | 0.61           | 3670.72               | 359.06                |
| 14186.00 | 91.01      | 353.63      | 10468.16  | 3763.82  | 3763.67    | -70.14     | 0.46           | 3764.32               | 358.93                |
| 14280.00 | 88.86      | 353.11      | 10468.27  | 3857.21  | 3857.03    | -81.00     | 2.35           | 3857.89               | 358.80                |



## SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|-----------------------|-----------------------|
| 14374.00 | 89.03      | 353.07      | 10470.00  | 3950.53  | 3950.34     | -92.31      | 0.18           | 3951.41               | 358.66                |
| 14469.00 | 89.36      | 353.73      | 10471.34  | 4044.92  | 4044.69     | -103.24     | 0.78           | 4046.01               | 358.54                |
| 14564.00 | 89.46      | 353.60      | 10472.31  | 4139.36  | 4139.11     | -113.72     | 0.17           | 4140.67               | 358.43                |
| 14659.00 | 89.36      | 353.87      | 10473.29  | 4233.81  | 4233.54     | -124.09     | 0.30           | 4235.36               | 358.32                |
| 14753.00 | 89.60      | 353.85      | 10474.14  | 4327.29  | 4326.99     | -134.15     | 0.25           | 4329.07               | 358.22                |
| 14847.00 | 89.77      | 354.40      | 10474.66  | 4420.81  | 4420.50     | -143.78     | 0.61           | 4422.83               | 358.14                |
| 14941.00 | 90.27      | 354.15      | 10474.64  | 4514.36  | 4514.03     | -153.16     | 0.60           | 4516.63               | 358.06                |
| 15036.00 | 90.57      | 354.20      | 10473.94  | 4608.89  | 4608.53     | -162.80     | 0.32           | 4611.41               | 357.98                |
| 15131.00 | 90.64      | 354.02      | 10472.94  | 4703.41  | 4703.03     | -172.56     | 0.20           | 4706.19               | 357.90                |
| 15225.00 | 90.84      | 353.55      | 10471.73  | 4796.87  | 4796.47     | -182.74     | 0.54           | 4799.95               | 357.82                |
| 15320.00 | 90.94      | 353.55      | 10470.25  | 4891.28  | 4890.85     | -193.41     | 0.11           | 4894.68               | 357.74                |
| 15414.00 | 88.96      | 354.08      | 10470.34  | 4984.75  | 4984.30     | -203.53     | 2.18           | 4988.45               | 357.66                |
| 15508.00 | 88.86      | 353.94      | 10472.13  | 5078.24  | 5077.77     | -213.34     | 0.18           | 5082.25               | 357.59                |
| 15603.00 | 89.33      | 355.12      | 10473.63  | 5172.82  | 5172.32     | -222.40     | 1.34           | 5177.10               | 357.54                |
| 15698.00 | 89.93      | 355.49      | 10474.24  | 5267.51  | 5267.00     | -230.18     | 0.74           | 5272.03               | 357.50                |
| 15792.00 | 90.54      | 355.62      | 10473.86  | 5361.24  | 5360.72     | -237.47     | 0.66           | 5365.98               | 357.46                |
| 15886.00 | 89.77      | 356.38      | 10473.61  | 5455.03  | 5454.49     | -244.03     | 1.15           | 5459.94               | 357.44                |
| 15981.00 | 90.13      | 356.51      | 10473.69  | 5549.86  | 5549.30     | -249.92     | 0.41           | 5554.93               | 357.42                |
| 16075.00 | 90.40      | 355.93      | 10473.25  | 5643.66  | 5643.10     | -256.12     | 0.68           | 5648.91               | 357.40                |
| 16170.00 | 88.69      | 356.92      | 10474.00  | 5738.48  | 5737.90     | -262.05     | 2.08           | 5743.89               | 357.39                |
| 16265.00 | 88.86      | 356.73      | 10476.03  | 5833.33  | 5832.74     | -267.31     | 0.26           | 5838.86               | 357.38                |
| 16359.00 | 89.16      | 356.41      | 10477.66  | 5927.16  | 5926.55     | -272.93     | 0.47           | 5932.84               | 357.36                |
| 16454.00 | 90.00      | 356.94      | 10478.35  | 6022.01  | 6021.39     | -278.44     | 1.04           | 6027.83               | 357.35                |
| 16549.00 | 89.53      | 356.84      | 10478.74  | 6116.88  | 6116.25     | -283.60     | 0.51           | 6122.82               | 357.35                |
| 16643.00 | 90.50      | 357.19      | 10478.72  | 6210.76  | 6210.12     | -288.49     | 1.10           | 6216.82               | 357.34                |
| 16738.00 | 89.19      | 355.13      | 10478.97  | 6305.55  | 6304.90     | -294.85     | 2.58           | 6311.79               | 357.32                |
| 16832.00 | 89.97      | 355.30      | 10479.66  | 6399.24  | 6398.57     | -302.69     | 0.84           | 6405.73               | 357.29                |
| 16926.00 | 91.38      | 356.70      | 10478.55  | 6493.01  | 6492.33     | -309.25     | 2.12           | 6499.69               | 357.27                |
| 17021.00 | 90.17      | 356.10      | 10477.27  | 6587.83  | 6587.13     | -315.21     | 1.42           | 6594.67               | 357.26                |
| 17115.00 | 90.44      | 355.79      | 10476.78  | 6681.61  | 6680.89     | -321.85     | 0.43           | 6688.64               | 357.24                |
| 17209.00 | 88.96      | 356.25      | 10477.27  | 6775.39  | 6774.66     | -328.37     | 1.64           | 6782.62               | 357.23                |
| 17304.00 | 89.23      | 356.10      | 10478.77  | 6870.18  | 6869.44     | -334.69     | 0.32           | 6877.59               | 357.21                |

## SURVEY REPORT

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>%/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|-----------------------|-----------------------|
| 17398.00 | 90.71      | 359.32      | 10478.83  | 6964.10  | 6963.35     | -338.45     | 3.76           | 6971.57               | 357.22                |
| 17492.00 | 91.81      | 0.14        | 10476.76  | 7058.08  | 7057.33     | -338.90     | 1.47           | 7065.46               | 357.25                |
| 17587.00 | 91.04      | 3.23        | 10474.39  | 7152.99  | 7152.24     | -336.11     | 3.36           | 7160.14               | 357.31                |
| 17681.00 | 90.20      | 3.72        | 10473.37  | 7246.79  | 7246.06     | -330.41     | 1.03           | 7253.59               | 357.39                |
| 17776.00 | 90.10      | 6.35        | 10473.12  | 7341.40  | 7340.69     | -322.07     | 2.78           | 7347.75               | 357.49                |
| 17870.00 | 90.94      | 6.46        | 10472.27  | 7434.78  | 7434.10     | -311.58     | 0.90           | 7440.62               | 357.60                |
| 17964.00 | 91.14      | 7.77        | 10470.56  | 7528.02  | 7527.35     | -299.93     | 1.41           | 7533.33               | 357.72                |
| 18059.00 | 91.27      | 7.13        | 10468.56  | 7622.16  | 7621.53     | -287.62     | 0.69           | 7626.96               | 357.84                |
| 18153.00 | 89.90      | 8.96        | 10467.59  | 7715.20  | 7714.60     | -274.47     | 2.43           | 7719.48               | 357.96                |
| 18247.00 | 90.20      | 9.23        | 10467.51  | 7807.98  | 7807.41     | -259.61     | 0.44           | 7811.73               | 358.10                |
| 18342.00 | 90.57      | 10.92       | 10466.87  | 7901.47  | 7900.94     | -242.99     | 1.82           | 7904.68               | 358.24                |
| 18436.00 | 89.13      | 10.17       | 10467.12  | 7993.84  | 7993.35     | -225.78     | 1.73           | 7996.54               | 358.38                |
| 18530.00 | 90.44      | 11.79       | 10467.48  | 8086.07  | 8085.62     | -207.88     | 2.22           | 8088.30               | 358.53                |
| 18624.00 | 89.09      | 13.66       | 10467.86  | 8177.71  | 8177.31     | -187.17     | 2.45           | 8179.45               | 358.69                |
| 18719.00 | 89.76      | 13.81       | 10468.81  | 8269.94  | 8269.58     | -164.61     | 0.72           | 8271.22               | 358.86                |
| 18813.00 | 90.10      | 13.85       | 10468.92  | 8361.16  | 8360.86     | -142.14     | 0.36           | 8362.07               | 359.03                |
| 18907.00 | 90.60      | 13.78       | 10468.34  | 8452.38  | 8452.14     | -119.69     | 0.54           | 8452.98               | 359.19                |
| 19002.00 | 90.97      | 13.43       | 10467.03  | 8544.66  | 8544.46     | -97.34      | 0.54           | 8545.01               | 359.35                |
| 19096.00 | 90.77      | 10.99       | 10465.60  | 8636.47  | 8636.32     | -77.46      | 2.60           | 8636.66               | 359.49                |
| 19190.00 | 90.80      | 8.29        | 10464.30  | 8729.09  | 8728.97     | -61.73      | 2.88           | 8729.19               | 359.59                |
| 19285.00 | 91.95      | 7.65        | 10462.02  | 8823.11  | 8823.02     | -48.56      | 1.38           | 8823.16               | 359.68                |
| 19379.00 | 92.11      | 5.81        | 10458.69  | 8916.38  | 8916.31     | -37.56      | 1.96           | 8916.39               | 359.76                |
| 19473.00 | 90.03      | 3.37        | 10456.93  | 9010.03  | 9009.98     | -30.04      | 3.41           | 9010.03               | 359.81                |
| 19568.00 | 91.01      | 2.56        | 10456.07  | 9104.89  | 9104.85     | -25.13      | 1.33           | 9104.89               | 359.84                |
| 19662.00 | 89.46      | 0.31        | 10455.68  | 9198.84  | 9198.81     | -22.77      | 2.90           | 9198.84               | 359.86                |
| 19756.00 | 89.66      | 359.35      | 10456.40  | 9292.84  | 9292.81     | -23.06      | 1.05           | 9292.84               | 359.86                |
| 19851.00 | 90.84      | 359.40      | 10455.98  | 9387.83  | 9387.80     | -24.09      | 1.24           | 9387.83               | 359.85                |
| 19945.00 | 91.78      | 359.62      | 10453.83  | 9481.80  | 9481.77     | -24.90      | 1.03           | 9481.80               | 359.85                |
| 20039.00 | 90.60      | 358.45      | 10451.88  | 9575.77  | 9575.73     | -26.48      | 1.77           | 9575.77               | 359.84                |
| 20134.00 | 90.87      | 358.43      | 10450.66  | 9670.73  | 9670.69     | -29.07      | 0.28           | 9670.73               | 359.83                |
| 20228.00 | 91.41      | 358.14      | 10448.78  | 9764.68  | 9764.63     | -31.88      | 0.65           | 9764.68               | 359.81                |
| 20322.00 | 91.92      | 358.42      | 10446.05  | 9858.60  | 9858.55     | -34.69      | 0.62           | 9858.61               | 359.80                |

**SURVEY REPORT**

BELLOQ 11-2 FED STATE COM #234H

COMPUTED

| MD<br>ft | INC<br>deg | AZIM<br>deg | TVD<br>ft | VS<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>°/100ft | CLOSURE<br>DIST<br>ft | CLOSURE<br>DIR<br>deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|-----------------------|-----------------------|
| 20416.00 | 93.00      | 358.69      | 10442.01  | 9952.49  | 9952.43     | -37.06      | 1.19           | 9952.50               | 359.79                |
| 20486.00 | 93.00      | 358.69      | 10438.34  | 10022.38 | 10022.31    | -38.66      | 0.00           | 10022.39              | 359.78                |