



Gyrodata Incorporated  
10504 WCR 72  
Midland, TX 79707

Main: 432-561-8458  
Fax: 432-563-7982

January 25, 2016

Railroad Commission of Texas  
Oil & Gas Division  
P.O. Box 12967  
Capitol Station  
Austin, Texas 78711

Attn: Ms. Pam Johns

RE:  
Ajax Resources LLC  
University 6-40 Unit #105LS  
Permit # 812907  
Spraberry (Trend Area)  
UL / Abstract U181  
Andrews County, Texas

**API No. 42-003-47314**

Ms. Johns,

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc. (P-5 No. 339711). Other information required by your office is as follows:

| Name & Title<br>Of Surveyor | Drainhole Number | Surveyed Depths | Dates<br>Performed | Type of<br>Survey  |
|-----------------------------|------------------|-----------------|--------------------|--------------------|
| Jesse Mejia<br>Surveyor     | Original Hole    | 0' - 1834'      | 01/06/16           | Rate<br>Gyroscopic |

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in the case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Holly Walker  
Senior Operations Assistant – West Texas Region

Enclosure

# A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

## AJAX RESOURCES

Lease: UNIVERSITY U6-40 Well: 105LS, 17-1/2" hole  
Location: H&P 625, ANDREWS COUNTY

Job Number: MD0116GDM112

Run Date: 06 Jan 2016

Report Generated: 20 Jan 2016 09:00

Surveyor: Jesse Mejia

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Company Man

Survey Latitude: 32.458092 deg. N Longitude: 102.217266 deg. W

Azimuth Correction:

Gyro: 2.57000 deg to Grid North

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 26.50

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

# A Gyrodata Directional Survey

AJAX RESOURCES

Lease: UNIVERSITY U6-40 Well: 105LS, 17-1/2" hole

Location: H&P 625, ANDREWS COUNTY

Job Number: MD0116GDM112

| MEASURED<br>DEPTH<br>feet | INCL<br>deg. | AZIMUTH<br>deg. | DOGLEG<br>SEVERITY<br>deg./<br>100 ft. | VERTICAL<br>DEPTH<br>feet | CLOSURE<br>DIST. AZIMUTH<br>feet deg. | HORIZONTAL<br>COORDINATES<br>feet |
|---------------------------|--------------|-----------------|----------------------------------------|---------------------------|---------------------------------------|-----------------------------------|
|---------------------------|--------------|-----------------|----------------------------------------|---------------------------|---------------------------------------|-----------------------------------|

0- 1834 FEET. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 5" DRILLPIPE

ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO H&P #625 R.K.B. OF 26.5 FEET.

|         |      |        |      |         |           |        |        |
|---------|------|--------|------|---------|-----------|--------|--------|
| 90.22   | 0.07 | 134.39 | 0.08 | 90.22   | 0.1 134.4 | 0.04 S | 0.04 E |
| 105.22  | 0.53 | 142.72 | 3.08 | 105.22  | 0.1 138.8 | 0.10 S | 0.09 E |
| 197.46  | 0.65 | 145.50 | 0.13 | 197.45  | 1.1 143.6 | 0.87 S | 0.64 E |
| 287.41  | 0.50 | 120.39 | 0.32 | 287.40  | 2.0 139.6 | 1.49 S | 1.27 E |
| 380.05  | 0.51 | 120.40 | 0.01 | 380.04  | 2.7 133.9 | 1.90 S | 1.97 E |
| 414.30  | 0.46 | 109.61 | 0.30 | 414.29  | 3.0 132.2 | 2.03 S | 2.23 E |
| 509.09  | 0.40 | 91.71  | 0.15 | 509.07  | 3.6 126.5 | 2.16 S | 2.92 E |
| 603.73  | 0.32 | 125.83 | 0.24 | 603.71  | 4.2 123.9 | 2.33 S | 3.47 E |
| 698.22  | 0.20 | 155.98 | 0.19 | 698.20  | 4.6 125.1 | 2.63 S | 3.75 E |
| 792.89  | 0.16 | 173.60 | 0.07 | 792.87  | 4.8 127.3 | 2.91 S | 3.83 E |
| 887.47  | 0.25 | 187.51 | 0.11 | 887.45  | 5.0 130.4 | 3.25 S | 3.82 E |
| 982.13  | 0.22 | 88.37  | 0.38 | 982.11  | 5.3 131.0 | 3.45 S | 3.97 E |
| 1076.85 | 0.43 | 97.40  | 0.23 | 1076.83 | 5.7 127.8 | 3.49 S | 4.51 E |
| 1171.64 | 0.16 | 61.80  | 0.33 | 1171.62 | 6.1 124.9 | 3.47 S | 4.98 E |
| 1266.88 | 0.36 | 132.01 | 0.36 | 1266.85 | 6.4 124.2 | 3.61 S | 5.32 E |
| 1360.97 | 0.33 | 132.64 | 0.03 | 1360.94 | 7.0 124.8 | 3.99 S | 5.74 E |
| 1455.58 | 0.46 | 152.04 | 0.20 | 1455.55 | 7.6 126.4 | 4.51 S | 6.11 E |
| 1550.12 | 0.29 | 186.77 | 0.29 | 1550.09 | 8.1 129.1 | 5.09 S | 6.26 E |
| 1644.83 | 0.19 | 219.25 | 0.17 | 1644.80 | 8.2 131.6 | 5.45 S | 6.14 E |
| 1739.42 | 0.13 | 293.57 | 0.21 | 1739.39 | 8.1 132.9 | 5.52 S | 5.94 E |
| 1834.00 | 0.38 | 286.66 | 0.27 | 1833.97 | 7.7 134.2 | 5.39 S | 5.54 E |

Final Station Closure: Distance: 7.73 ft Az: 134.22 deg.



Gyrodata Incorporated  
10504 WCR 72  
Midland, TX 79707

Main: 432-561-8458  
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State of Texas  
County of Midland

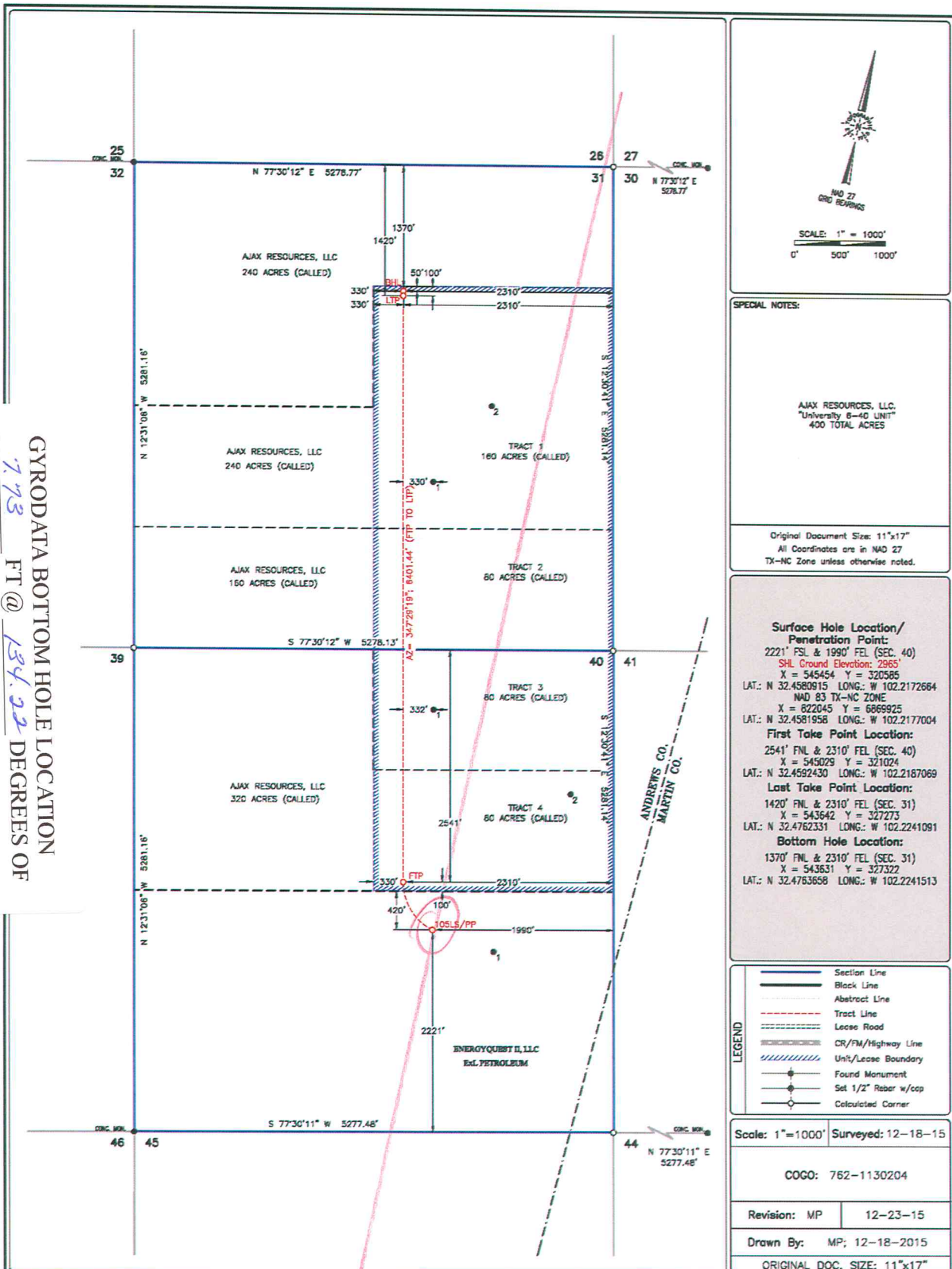
I, Wade Adams, certify that; I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Rate Gyroscopic survey from a depth of 0 feet to a depth of 1834 feet conducted on the day(s) of 01/05/2015 through 01/06/2016; that this survey was conducted at the request of Ajax Resources LLC for the University 6-40 Unit #105LS API No. 42-003-47314 in Andrews County, Texas; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.

A handwritten signature in black ink, appearing to read "Wade Adams", is written over a light pink horizontal rectangular background.

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Wade Adams  
District Manager – West Texas Region





# **CERTIFICATION:**

This well location shown on this permit plat was surveyed on the ground under my direct supervision. This plat is for Texas Railroad Commission permit purpose only and should not be considered a boundary survey.

*William J. Keating*  
 Texas Reg. No. 5041



**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 2902 NORTH BIG OPENING - MIDLAND, TEXAS 79706  
 TELEPHONE: (432) 692-1892 OR (432) 787-1898 - FAX: (432) 692-1743  
 WWW.TOPOGRAPHIC.COM  
 Texas FIRM Registration NO. 10042500  
 FILE NAME: LD\_UNIVERSITY\_6\_40\_UNIT\_105LS\_REV1

## **AXAJ RESOURCES, LLC.**

LEASE NAME & WELL NO.:  
**UNIVERSITY 6-40 UNIT #105LS**  
 TOPOGRAPHY & VEGETATION:  
 NATURAL MESQUITE PASTURE  
 NEAREST TOWN IN COUNTY:  
 ±21.4 MILES NORTHEAST OF ANDREWS, TEXAS

LOCATION DESCRIPTION:  
 SHL/PP/FTP: SECTION 40, BLOCK 6, UNIVERSITY LAND SURVEY  
 LTP/BHL: SECTION 31, BLOCK 6, UNIVERSITY LAND SURVEY  
 ANDREWS COUNTY, TEXAS



# Directional Survey Report

Company Name: Ajax Resources, LLC

Well Name: University 6-40 Unit #105LS

Rig ID: H&P 625

API/UWI: 42-003-47314

Start Date: 01/08/16

End Date: 1/22/16

Survey Company: Legacy Directional

Job Number: GTTX1601001-MWD

Location: Andrews

State/Prov: TX

County: Andrews

Field: Lower Spraberry Trend

Latitude: 32.458090555

Longitude: 102.21726555

KB: 26.5

North Reference: Grid

Proposed Azimuth: 345.28

Declination: 9.05

| Svy   | Depth    | Inc   | Azm    | TVD      | NS     | EW     | VS     | Northing   | Easting    | DLS   |
|-------|----------|-------|--------|----------|--------|--------|--------|------------|------------|-------|
| Tiein | 1,834.00 | 0.38  | 286.66 | 1,833.97 | -5.39  | 5.54   | -6.62  | 320,579.61 | 545,459.54 | 0.00  |
| 1     | 1,950.00 | 0.56  | 241.45 | 1,949.97 | -5.55  | 4.67   | -6.56  | 320,579.45 | 545,458.67 | 0.34  |
| 2     | 2,140.00 | 0.65  | 249.78 | 2,139.96 | -6.37  | 2.85   | -6.88  | 320,578.63 | 545,456.85 | 0.07  |
| 3     | 2,329.00 | 0.99  | 256.15 | 2,328.94 | -7.13  | 0.26   | -6.96  | 320,577.87 | 545,454.26 | 0.19  |
| 4     | 2,518.00 | 1.23  | 255.25 | 2,517.90 | -8.04  | -3.29  | -6.94  | 320,576.96 | 545,450.71 | 0.13  |
| 5     | 2,707.00 | 1.17  | 248.41 | 2,706.86 | -9.26  | -7.05  | -7.17  | 320,575.74 | 545,446.95 | 0.08  |
| 6     | 2,896.00 | 1.33  | 244.88 | 2,895.81 | -10.90 | -10.83 | -7.79  | 320,574.10 | 545,443.17 | 0.09  |
| 7     | 3,085.00 | 1.18  | 248.57 | 3,084.77 | -12.55 | -14.63 | -8.42  | 320,572.45 | 545,439.37 | 0.09  |
| 8     | 3,274.00 | 0.84  | 246.56 | 3,273.74 | -13.81 | -17.71 | -8.85  | 320,571.19 | 545,436.29 | 0.18  |
| 9     | 3,463.00 | 0.46  | 250.62 | 3,462.73 | -14.61 | -19.69 | -9.13  | 320,570.39 | 545,434.31 | 0.20  |
| 10    | 3,652.00 | 0.38  | 239.34 | 3,651.72 | -15.18 | -20.95 | -9.36  | 320,569.82 | 545,433.05 | 0.06  |
| 11    | 3,841.00 | 0.20  | 243.58 | 3,840.72 | -15.65 | -21.78 | -9.60  | 320,569.35 | 545,432.22 | 0.10  |
| 12    | 4,030.00 | 0.13  | 217.29 | 4,029.72 | -15.97 | -22.21 | -9.80  | 320,569.03 | 545,431.79 | 0.05  |
| 13    | 4,219.00 | 0.20  | 213.85 | 4,218.72 | -16.41 | -22.52 | -10.15 | 320,568.59 | 545,431.48 | 0.04  |
| 14    | 4,408.00 | 0.22  | 159.90 | 4,407.72 | -17.02 | -22.58 | -10.73 | 320,567.98 | 545,431.42 | 0.10  |
| 15    | 4,596.00 | 0.32  | 98.63  | 4,595.71 | -17.44 | -21.94 | -11.30 | 320,567.56 | 545,432.06 | 0.15  |
| 16    | 4,785.00 | 0.46  | 87.68  | 4,784.71 | -17.49 | -20.66 | -11.67 | 320,567.51 | 545,433.34 | 0.08  |
| 17    | 4,974.00 | 0.47  | 90.35  | 4,973.70 | -17.46 | -19.13 | -12.03 | 320,567.54 | 545,434.87 | 0.01  |
| 18    | 5,164.00 | 0.56  | 90.25  | 5,163.70 | -17.47 | -17.42 | -12.47 | 320,567.53 | 545,436.58 | 0.05  |
| 19    | 5,353.00 | 0.56  | 97.90  | 5,352.69 | -17.60 | -15.58 | -13.07 | 320,567.40 | 545,438.42 | 0.04  |
| 20    | 5,542.00 | 0.46  | 126.56 | 5,541.68 | -18.18 | -14.06 | -14.02 | 320,566.82 | 545,439.94 | 0.14  |
| 21    | 5,731.00 | 0.45  | 132.41 | 5,730.67 | -19.14 | -12.90 | -15.23 | 320,565.86 | 545,441.10 | 0.03  |
| 22    | 5,920.00 | 0.48  | 127.40 | 5,919.67 | -20.12 | -11.72 | -16.48 | 320,564.88 | 545,442.28 | 0.03  |
| 23    | 6,109.00 | 0.55  | 125.12 | 6,108.66 | -21.12 | -10.35 | -17.80 | 320,563.88 | 545,443.65 | 0.04  |
| 24    | 6,298.00 | 0.44  | 123.79 | 6,297.65 | -22.05 | -9.01  | -19.03 | 320,562.95 | 545,444.99 | 0.06  |
| 25    | 6,487.00 | 0.32  | 87.54  | 6,486.65 | -22.43 | -7.87  | -19.69 | 320,562.57 | 545,446.13 | 0.14  |
| 26    | 6,676.00 | 0.33  | 38.18  | 6,675.65 | -21.98 | -7.01  | -19.47 | 320,563.02 | 545,446.99 | 0.14  |
| 27    | 6,865.00 | 0.49  | 49.11  | 6,864.64 | -21.02 | -6.06  | -18.79 | 320,563.98 | 545,447.94 | 0.09  |
| 28    | 7,054.00 | 0.64  | 68.33  | 7,053.63 | -20.10 | -4.47  | -18.30 | 320,564.90 | 545,449.53 | 0.13  |
| 29    | 7,243.00 | 0.71  | 66.09  | 7,242.62 | -19.24 | -2.42  | -17.99 | 320,565.76 | 545,451.58 | 0.04  |
| 30    | 7,432.00 | 0.86  | 65.25  | 7,431.60 | -18.17 | -0.06  | -17.56 | 320,566.83 | 545,453.94 | 0.08  |
| 31    | 7,621.00 | 1.03  | 68.67  | 7,620.58 | -16.96 | 2.81   | -17.11 | 320,568.04 | 545,456.81 | 0.09  |
| 32    | 7,810.00 | 1.08  | 66.91  | 7,809.54 | -15.64 | 6.03   | -16.66 | 320,569.36 | 545,460.03 | 0.03  |
| 33    | 7,999.00 | 0.88  | 85.49  | 7,998.52 | -14.83 | 9.12   | -16.66 | 320,570.17 | 545,463.12 | 0.20  |
| 34    | 8,188.00 | 0.81  | 99.88  | 8,187.50 | -14.94 | 11.88  | -17.47 | 320,570.06 | 545,465.88 | 0.12  |
| 35    | 8,377.00 | 0.75  | 114.04 | 8,376.48 | -15.68 | 14.32  | -18.80 | 320,569.32 | 545,468.32 | 0.11  |
| 36    | 8,472.00 | 0.41  | 90.31  | 8,471.47 | -15.93 | 15.23  | -19.28 | 320,569.07 | 545,469.23 | 0.43  |
| 37    | 8,671.00 | 0.85  | 77.82  | 8,670.46 | -15.62 | 17.39  | -19.53 | 320,569.38 | 545,471.39 | 0.23  |
| 38    | 8,770.00 | 1.13  | 61.14  | 8,769.45 | -15.00 | 18.96  | -19.32 | 320,570.00 | 545,472.96 | 0.40  |
| 39    | 8,802.00 | 1.04  | 6.21   | 8,801.44 | -14.56 | 19.27  | -18.97 | 320,570.44 | 545,473.27 | 3.14  |
| 40    | 8,833.00 | 4.15  | 321.31 | 8,832.41 | -13.40 | 18.60  | -17.69 | 320,571.60 | 545,472.60 | 11.26 |
| 41    | 8,865.00 | 7.38  | 319.68 | 8,864.24 | -10.93 | 16.54  | -14.77 | 320,574.07 | 545,470.54 | 10.11 |
| 42    | 8,896.00 | 11.70 | 320.22 | 8,894.81 | -6.99  | 13.24  | -10.13 | 320,578.01 | 545,467.24 | 13.94 |
| 43    | 8,928.00 | 16.26 | 320.47 | 8,925.85 | -1.04  | 8.31   | -3.12  | 320,583.96 | 545,462.31 | 14.25 |
| 44    | 8,960.00 | 19.43 | 320.31 | 8,956.31 | 6.51   | 2.06   | 5.78   | 320,591.51 | 545,456.06 | 9.91  |
| 45    | 8,991.00 | 21.97 | 319.91 | 8,985.30 | 14.92  | -4.97  | 15.69  | 320,599.92 | 545,449.03 | 8.21  |
| 46    | 9,023.00 | 24.52 | 317.78 | 9,014.70 | 24.42  | -13.29 | 26.99  | 320,609.42 | 545,440.71 | 8.39  |
| 47    | 9,054.00 | 26.70 | 315.98 | 9,042.66 | 34.19  | -22.45 | 38.77  | 320,619.19 | 545,431.55 | 7.47  |
| 48    | 9,086.00 | 28.32 | 310.56 | 9,071.04 | 44.30  | -33.22 | 51.28  | 320,629.30 | 545,420.78 | 9.31  |
| 49    | 9,117.00 | 30.55 | 307.38 | 9,098.04 | 53.86  | -45.07 | 63.55  | 320,638.86 | 545,408.93 | 8.78  |

| Svy | Depth     | Inc   | Azm    | TVD      | NS       | EW        | VS       | Northing   | Easting    | DLS   |
|-----|-----------|-------|--------|----------|----------|-----------|----------|------------|------------|-------|
| 50  | 9,149.00  | 32.40 | 305.89 | 9,125.33 | 63.83    | -58.47    | 76.59    | 320,648.83 | 545,395.53 | 6.27  |
| 51  | 9,180.00  | 35.12 | 306.11 | 9,151.10 | 73.95    | -72.41    | 89.92    | 320,658.95 | 545,381.59 | 8.78  |
| 52  | 9,212.00  | 37.83 | 306.76 | 9,176.83 | 85.25    | -87.71    | 104.74   | 320,670.25 | 545,366.29 | 8.55  |
| 53  | 9,243.00  | 40.36 | 307.50 | 9,200.89 | 97.05    | -103.29   | 120.12   | 320,682.05 | 545,350.71 | 8.30  |
| 54  | 9,275.00  | 42.44 | 309.51 | 9,224.89 | 110.23   | -119.85   | 137.07   | 320,695.23 | 545,334.15 | 7.71  |
| 55  | 9,306.00  | 44.05 | 310.82 | 9,247.47 | 123.93   | -136.07   | 154.44   | 320,708.93 | 545,317.93 | 5.95  |
| 56  | 9,338.00  | 46.06 | 312.21 | 9,270.08 | 138.95   | -153.03   | 173.27   | 320,723.95 | 545,300.97 | 6.99  |
| 57  | 9,369.00  | 48.83 | 312.71 | 9,291.04 | 154.36   | -169.87   | 192.46   | 320,739.36 | 545,284.13 | 9.01  |
| 58  | 9,401.00  | 53.07 | 313.63 | 9,311.20 | 171.37   | -187.99   | 213.51   | 320,756.37 | 545,266.01 | 13.44 |
| 59  | 9,432.00  | 56.91 | 314.22 | 9,328.98 | 188.98   | -206.27   | 235.19   | 320,773.98 | 545,247.73 | 12.48 |
| 60  | 9,464.00  | 59.67 | 317.60 | 9,345.80 | 208.53   | -225.20   | 258.91   | 320,793.53 | 545,228.80 | 12.45 |
| 61  | 9,495.00  | 61.59 | 320.40 | 9,361.01 | 228.92   | -242.91   | 283.13   | 320,813.92 | 545,211.09 | 10.02 |
| 62  | 9,527.00  | 63.43 | 322.71 | 9,375.78 | 251.16   | -260.55   | 309.12   | 320,836.16 | 545,193.45 | 8.61  |
| 63  | 9,558.00  | 64.88 | 324.98 | 9,389.29 | 273.68   | -277.01   | 335.09   | 320,858.68 | 545,176.99 | 8.08  |
| 64  | 9,590.00  | 66.27 | 325.75 | 9,402.53 | 297.65   | -293.57   | 362.48   | 320,882.65 | 545,160.43 | 4.86  |
| 65  | 9,622.00  | 67.82 | 326.23 | 9,415.01 | 322.08   | -310.05   | 390.29   | 320,907.08 | 545,143.95 | 5.04  |
| 66  | 9,653.00  | 70.64 | 327.92 | 9,426.00 | 346.41   | -325.80   | 417.82   | 320,931.41 | 545,128.20 | 10.43 |
| 67  | 9,684.00  | 74.07 | 330.78 | 9,435.40 | 371.82   | -340.85   | 446.22   | 320,956.82 | 545,113.15 | 14.13 |
| 68  | 9,716.00  | 76.75 | 333.39 | 9,443.46 | 399.18   | -355.34   | 476.37   | 320,984.18 | 545,098.66 | 11.51 |
| 69  | 9,747.00  | 79.27 | 333.90 | 9,449.90 | 426.35   | -368.80   | 506.07   | 321,011.35 | 545,085.20 | 8.29  |
| 70  | 9,779.00  | 80.61 | 334.32 | 9,455.49 | 454.70   | -382.56   | 536.98   | 321,039.70 | 545,071.44 | 4.38  |
| 71  | 9,810.00  | 82.25 | 334.79 | 9,460.11 | 482.37   | -395.73   | 567.09   | 321,067.37 | 545,058.27 | 5.50  |
| 72  | 9,905.00  | 88.60 | 338.97 | 9,467.68 | 569.41   | -432.87   | 660.71   | 321,154.41 | 545,021.13 | 7.99  |
| 73  | 9,999.00  | 87.96 | 341.79 | 9,470.50 | 657.90   | -464.41   | 754.31   | 321,242.90 | 544,989.59 | 3.07  |
| 74  | 10,069.00 | 88.80 | 342.45 | 9,472.48 | 724.49   | -485.90   | 824.18   | 321,309.49 | 544,968.10 | 1.53  |
| 75  | 10,163.00 | 90.39 | 345.30 | 9,473.15 | 814.78   | -512.00   | 918.14   | 321,399.78 | 544,942.00 | 3.47  |
| 76  | 10,257.00 | 91.04 | 345.59 | 9,471.97 | 905.76   | -535.62   | 1,012.13 | 321,490.76 | 544,918.38 | 0.76  |
| 77  | 10,352.00 | 90.64 | 345.70 | 9,470.58 | 997.78   | -559.17   | 1,107.11 | 321,582.78 | 544,894.83 | 0.44  |
| 78  | 10,446.00 | 90.53 | 346.19 | 9,469.62 | 1,088.96 | -582.00   | 1,201.10 | 321,673.96 | 544,872.00 | 0.53  |
| 79  | 10,541.00 | 88.80 | 347.35 | 9,470.18 | 1,181.43 | -603.74   | 1,296.06 | 321,766.43 | 544,850.26 | 2.19  |
| 80  | 10,635.00 | 87.71 | 347.89 | 9,473.04 | 1,273.20 | -623.88   | 1,389.94 | 321,858.20 | 544,830.12 | 1.29  |
| 81  | 10,729.00 | 89.66 | 349.86 | 9,475.20 | 1,365.40 | -642.01   | 1,483.72 | 321,950.40 | 544,811.99 | 2.95  |
| 82  | 10,824.00 | 88.04 | 349.64 | 9,477.10 | 1,458.86 | -658.91   | 1,578.41 | 322,043.86 | 544,795.09 | 1.72  |
| 83  | 10,918.00 | 86.81 | 348.55 | 9,481.33 | 1,551.07 | -676.68   | 1,672.10 | 322,136.07 | 544,777.32 | 1.75  |
| 84  | 11,013.00 | 86.50 | 348.28 | 9,486.87 | 1,643.98 | -695.72   | 1,766.80 | 322,228.98 | 544,758.28 | 0.43  |
| 85  | 11,107.00 | 86.36 | 347.46 | 9,492.72 | 1,735.70 | -715.44   | 1,860.52 | 322,320.70 | 544,738.56 | 0.88  |
| 86  | 11,201.00 | 88.32 | 347.27 | 9,497.09 | 1,827.32 | -735.97   | 1,954.35 | 322,412.32 | 544,718.03 | 2.09  |
| 87  | 11,296.00 | 88.49 | 346.11 | 9,499.73 | 1,919.73 | -757.84   | 2,049.29 | 322,504.73 | 544,696.16 | 1.23  |
| 88  | 11,390.00 | 90.00 | 344.95 | 9,500.97 | 2,010.74 | -781.32   | 2,143.27 | 322,595.74 | 544,672.68 | 2.03  |
| 89  | 11,484.00 | 90.22 | 344.78 | 9,500.79 | 2,101.48 | -805.86   | 2,237.27 | 322,686.48 | 544,648.14 | 0.30  |
| 90  | 11,579.00 | 91.18 | 345.79 | 9,499.63 | 2,193.35 | -829.99   | 2,332.26 | 322,778.35 | 544,624.01 | 1.47  |
| 91  | 11,673.00 | 91.43 | 348.79 | 9,497.49 | 2,285.01 | -850.67   | 2,426.17 | 322,870.01 | 544,603.33 | 3.20  |
| 92  | 11,767.00 | 91.71 | 349.69 | 9,494.91 | 2,377.32 | -868.21   | 2,519.91 | 322,962.32 | 544,585.79 | 1.00  |
| 93  | 11,862.00 | 90.34 | 349.80 | 9,493.21 | 2,470.79 | -885.12   | 2,614.60 | 323,055.79 | 544,568.88 | 1.45  |
| 94  | 11,956.00 | 92.13 | 351.08 | 9,491.19 | 2,563.46 | -900.73   | 2,708.19 | 323,148.46 | 544,553.27 | 2.34  |
| 95  | 12,051.00 | 90.34 | 350.52 | 9,489.14 | 2,657.21 | -915.91   | 2,802.73 | 323,242.21 | 544,538.09 | 1.97  |
| 96  | 12,145.00 | 89.16 | 350.02 | 9,489.55 | 2,749.85 | -931.80   | 2,896.37 | 323,334.85 | 544,522.20 | 1.36  |
| 97  | 12,240.00 | 88.10 | 349.00 | 9,491.82 | 2,843.24 | -949.09   | 2,991.08 | 323,428.24 | 544,504.91 | 1.55  |
| 98  | 12,334.00 | 89.05 | 348.83 | 9,494.16 | 2,935.45 | -967.15   | 3,084.86 | 323,520.45 | 544,486.85 | 1.03  |
| 99  | 12,429.00 | 90.64 | 348.86 | 9,494.41 | 3,028.66 | -985.53   | 3,179.67 | 323,613.66 | 544,468.47 | 1.67  |
| 100 | 12,523.00 | 88.13 | 346.34 | 9,495.42 | 3,120.44 | -1,005.71 | 3,273.57 | 323,705.44 | 544,448.29 | 3.78  |
| 101 | 12,617.00 | 88.24 | 345.79 | 9,498.40 | 3,211.63 | -1,028.34 | 3,367.52 | 323,796.63 | 544,425.66 | 0.60  |
| 102 | 12,712.00 | 88.57 | 346.02 | 9,501.04 | 3,303.73 | -1,051.47 | 3,462.47 | 323,888.73 | 544,402.53 | 0.42  |
| 103 | 12,806.00 | 90.39 | 346.25 | 9,501.90 | 3,394.99 | -1,073.99 | 3,556.46 | 323,979.99 | 544,380.01 | 1.95  |
| 104 | 12,900.00 | 89.33 | 344.72 | 9,502.13 | 3,485.98 | -1,097.55 | 3,650.45 | 324,070.98 | 544,356.45 | 1.98  |
| 105 | 12,995.00 | 87.96 | 343.62 | 9,504.37 | 3,577.35 | -1,123.45 | 3,745.40 | 324,162.35 | 544,330.55 | 1.85  |
| 106 | 13,089.00 | 88.60 | 344.66 | 9,507.20 | 3,667.73 | -1,149.13 | 3,839.34 | 324,252.73 | 544,304.87 | 1.30  |
| 107 | 13,184.00 | 90.81 | 347.68 | 9,507.68 | 3,759.96 | -1,171.83 | 3,934.31 | 324,344.96 | 544,282.17 | 3.94  |
| 108 | 13,278.00 | 92.58 | 349.21 | 9,504.90 | 3,852.01 | -1,190.65 | 4,028.12 | 324,437.01 | 544,263.35 | 2.49  |
| 109 | 13,372.00 | 93.58 | 348.31 | 9,499.85 | 3,944.07 | -1,208.95 | 4,121.81 | 324,529.07 | 544,245.05 | 1.43  |

| Svy | Depth     | Inc   | Azm    | TVD      | NS       | EW        | VS       | Northing   | Easting    | DLS  |
|-----|-----------|-------|--------|----------|----------|-----------|----------|------------|------------|------|
| 110 | 13,467.00 | 92.55 | 348.41 | 9,494.77 | 4,036.98 | -1,228.09 | 4,216.53 | 324,621.98 | 544,225.91 | 1.09 |
| 111 | 13,561.00 | 91.85 | 348.65 | 9,491.17 | 4,129.03 | -1,246.77 | 4,310.31 | 324,714.03 | 544,207.23 | 0.79 |
| 112 | 13,655.00 | 89.69 | 348.53 | 9,489.90 | 4,221.16 | -1,265.36 | 4,404.14 | 324,806.16 | 544,188.64 | 2.30 |
| 113 | 13,750.00 | 88.66 | 347.20 | 9,491.27 | 4,314.03 | -1,285.33 | 4,499.03 | 324,899.03 | 544,168.67 | 1.77 |
| 114 | 13,844.00 | 89.02 | 345.99 | 9,493.17 | 4,405.45 | -1,307.12 | 4,592.99 | 324,990.45 | 544,146.88 | 1.34 |
| 115 | 13,939.00 | 88.74 | 346.74 | 9,495.03 | 4,497.75 | -1,329.51 | 4,687.95 | 325,082.75 | 544,124.49 | 0.84 |
| 116 | 14,033.00 | 89.16 | 348.79 | 9,496.75 | 4,589.59 | -1,349.42 | 4,781.84 | 325,174.59 | 544,104.58 | 2.23 |
| 117 | 14,128.00 | 87.59 | 346.09 | 9,499.45 | 4,682.27 | -1,370.07 | 4,876.72 | 325,267.27 | 544,083.93 | 3.29 |
| 118 | 14,222.00 | 89.97 | 347.82 | 9,501.45 | 4,773.82 | -1,391.28 | 4,970.65 | 325,358.82 | 544,062.72 | 3.13 |
| 119 | 14,316.00 | 90.90 | 349.43 | 9,500.73 | 4,865.96 | -1,409.82 | 5,064.49 | 325,450.96 | 544,044.18 | 1.98 |
| 120 | 14,411.00 | 89.30 | 347.88 | 9,500.57 | 4,959.10 | -1,428.50 | 5,159.31 | 325,544.10 | 544,025.50 | 2.34 |
| 121 | 14,505.00 | 91.09 | 348.56 | 9,500.25 | 5,051.12 | -1,447.69 | 5,253.19 | 325,636.12 | 544,006.31 | 2.04 |
| 122 | 14,600.00 | 88.80 | 347.61 | 9,500.34 | 5,144.06 | -1,467.31 | 5,348.06 | 325,729.06 | 543,986.69 | 2.61 |
| 123 | 14,694.00 | 90.42 | 350.35 | 9,500.98 | 5,236.31 | -1,485.27 | 5,441.85 | 325,821.31 | 543,968.73 | 3.39 |
| 124 | 14,789.00 | 91.71 | 352.13 | 9,499.21 | 5,330.18 | -1,499.74 | 5,536.32 | 325,915.18 | 543,954.26 | 2.31 |
| 125 | 14,883.00 | 90.03 | 350.37 | 9,497.79 | 5,423.07 | -1,514.03 | 5,629.79 | 326,008.07 | 543,939.97 | 2.59 |
| 126 | 14,978.00 | 89.75 | 349.06 | 9,497.97 | 5,516.54 | -1,530.99 | 5,724.50 | 326,101.54 | 543,923.01 | 1.41 |
| 127 | 15,072.00 | 87.73 | 346.75 | 9,500.04 | 5,608.42 | -1,550.68 | 5,818.37 | 326,193.42 | 543,903.32 | 3.26 |
| 128 | 15,166.00 | 88.21 | 346.98 | 9,503.37 | 5,699.91 | -1,572.03 | 5,912.28 | 326,284.91 | 543,881.97 | 0.57 |
| 129 | 15,261.00 | 88.32 | 347.43 | 9,506.24 | 5,792.50 | -1,593.06 | 6,007.18 | 326,377.50 | 543,860.94 | 0.49 |
| 130 | 15,355.00 | 86.84 | 345.56 | 9,510.21 | 5,883.82 | -1,614.99 | 6,101.07 | 326,468.82 | 543,839.01 | 2.54 |
| 131 | 15,450.00 | 86.19 | 344.54 | 9,515.99 | 5,975.43 | -1,639.45 | 6,195.89 | 326,560.43 | 543,814.55 | 1.27 |
| 132 | 15,551.00 | 87.90 | 345.48 | 9,521.19 | 6,072.86 | -1,665.54 | 6,296.75 | 326,657.86 | 543,788.46 | 1.93 |
| 133 | 15,645.00 | 91.23 | 346.33 | 9,521.91 | 6,164.01 | -1,688.43 | 6,390.73 | 326,749.01 | 543,765.57 | 3.66 |
| 134 | 15,739.00 | 90.95 | 345.78 | 9,520.12 | 6,255.23 | -1,711.08 | 6,484.70 | 326,840.23 | 543,742.92 | 0.66 |
| 135 | 15,834.00 | 90.50 | 347.28 | 9,518.92 | 6,347.60 | -1,733.20 | 6,579.67 | 326,932.60 | 543,720.80 | 1.65 |
| 136 | 15,928.00 | 91.73 | 347.88 | 9,517.09 | 6,439.38 | -1,753.41 | 6,673.57 | 327,024.38 | 543,700.59 | 1.46 |
| 137 | 16,023.00 | 90.31 | 348.09 | 9,515.40 | 6,532.28 | -1,773.19 | 6,768.45 | 327,117.28 | 543,680.81 | 1.51 |
| 138 | 16,117.00 | 90.73 | 348.03 | 9,514.54 | 6,624.25 | -1,792.63 | 6,862.33 | 327,209.25 | 543,661.37 | 0.45 |
| 139 | 16,212.00 | 90.95 | 347.62 | 9,513.15 | 6,717.10 | -1,812.67 | 6,957.23 | 327,302.10 | 543,641.33 | 0.49 |
| 140 | 16,306.00 | 91.59 | 347.29 | 9,511.07 | 6,808.83 | -1,833.08 | 7,051.14 | 327,393.83 | 543,620.92 | 0.77 |
| 141 | 16,400.00 | 90.34 | 347.33 | 9,509.48 | 6,900.52 | -1,853.73 | 7,145.06 | 327,485.52 | 543,600.27 | 1.33 |
| 142 | 16,495.00 | 91.03 | 347.53 | 9,508.35 | 6,993.24 | -1,874.40 | 7,239.99 | 327,578.24 | 543,579.60 | 0.76 |
| 143 | 16,589.00 | 88.77 | 347.19 | 9,508.51 | 7,084.95 | -1,894.97 | 7,333.92 | 327,669.95 | 543,559.03 | 2.43 |
| 144 | 16,683.00 | 89.72 | 347.10 | 9,509.75 | 7,176.59 | -1,915.88 | 7,427.86 | 327,761.59 | 543,538.12 | 1.02 |
| 145 | 16,778.00 | 87.12 | 346.93 | 9,512.37 | 7,269.12 | -1,937.21 | 7,522.77 | 327,854.12 | 543,516.79 | 2.74 |
| 146 | 16,872.00 | 87.14 | 346.90 | 9,517.08 | 7,360.56 | -1,958.47 | 7,616.62 | 327,945.56 | 543,495.53 | 0.04 |
| 147 | 16,967.00 | 86.86 | 347.20 | 9,522.05 | 7,453.02 | -1,979.73 | 7,711.44 | 328,038.02 | 543,474.27 | 0.43 |
| 148 | 17,061.00 | 89.41 | 348.11 | 9,525.11 | 7,544.79 | -1,999.81 | 7,805.30 | 328,129.79 | 543,454.19 | 2.88 |
| 149 | 17,155.00 | 89.66 | 346.67 | 9,525.87 | 7,636.51 | -2,020.33 | 7,899.23 | 328,221.51 | 543,433.67 | 1.55 |
| 150 | 17,250.00 | 90.53 | 348.49 | 9,525.71 | 7,729.29 | -2,040.76 | 7,994.15 | 328,314.29 | 543,413.24 | 2.12 |
| 151 | 17,344.00 | 90.42 | 350.78 | 9,524.93 | 7,821.74 | -2,057.68 | 8,087.87 | 328,406.74 | 543,396.32 | 2.44 |
| 152 | 17,439.00 | 88.85 | 350.83 | 9,525.54 | 7,915.52 | -2,072.85 | 8,182.43 | 328,500.52 | 543,381.15 | 1.65 |
| PTB | 17,554.00 | 88.85 | 350.83 | 9,527.85 | 8,029.02 | -2,091.18 | 8,296.86 | 328,614.02 | 543,362.82 | 0.00 |



I, Ryan Mouton Certify that; I am employed by Gordon Technologies LLC; that I did on the days of January 8, 2016 through January 22, 2016 conduct or supervise the taking of the MWD surveys from a depth of 1950 feet to a depth of 17554 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Gordon Technologies, LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Ajax Resources, LLC. for the University 6-40 Unit #105LS (Original Hole) API No. 42-003-47314 in Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Gordon Technologies, LLC.

A handwritten signature in black ink, appearing to read "Ryan V. Mouton", is written over a horizontal line.

Field Engineer