

(August 1999)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

CISF

- 1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator Wally Frank  
Devon-SFS Operating, Inc. Senior Operations Engr.

3. Address 20 N. Broadway, suite 1500, OKC, OK 73102  
3.a Phone No. (Include area code) (405)552-4595

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At Surface 1150' FSL & 943' FEL, Unit P, Section 4-T22S-R24E, Eddy Cnty, NM

At top prod. interval reported below 704' FSL & 713' FEL, Unit P, Section 4-T22S-R24E, Eddy Cnty, NM

At total depth 697' FSL & 725' FEL, Unit P, Section 4-T22S-R24E, Eddy Cnty, NM

14. Date Spudded 06/05/2002  
15. Date T.D. Reached 07/01/2002  
15. Date Completed ☐ D & A ☒ Ready to Prod. 8-13-2002

18. Total Depth: MD 8650'  
TVD 8577'  
19. Plug Back T.D.: MD 8552'  
TVD  
20. Depth Bridge Plug Set: MD  
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
Platform Express Three Detector Litho-Density Compensated Neutron/NGT,  
Azimuthal Laterolog MCFL/NGT and CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12 1/4"   | 9 5/8" J55 | 36#         | surface  | 1785'       |                      | See item 32                 |                   |             |               |
| 8 3/4"    | 7" J55/L80 | 23#         | surface  | 8648'       | 3916', 7924'         | See item 32                 |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

24. Tubing Record

| Size       | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 7/8" L80 | 6.5#           | 8494' EOS         |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation     | Top   | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|---------------|-------|--------|---------------------|-------|-----------|--------------|
| A) Upper Penn | 8133' | 8278'  | 8154-8164'          | 0.41" | 21        | Producing    |
| B)            |       |        | 8172-8196'          | 0.41" | 28        | Producing    |
| C)            |       |        | 8233-8240'          | 0.41" | 15        | Producing    |
| D)            |       |        | 8246-8278'          | 0.41" | 65        | Producing    |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material        |
|----------------|------------------------------------|
| 8154-8278'     | 13,500 gals 20% NeFe acid + 200 BS |
|                |                                    |
|                |                                    |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method              |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--------------------------------|
| 8-13-02             | 8-20-02              | 24           | →               | 1667    | 4463    | 2193      | 40 deg                |             | DN3000 pump, 481 stage, 300 HP |
| Choice Size         | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                                |
|                     |                      |              | →               | 1667    | 4463    | 2193      | 2678/1                | Producing   |                                |

Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

(See Instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

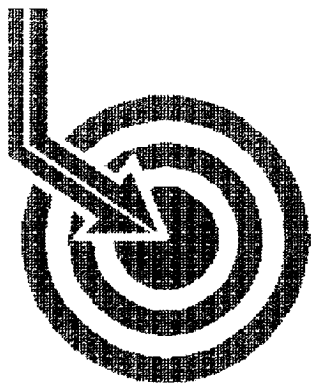
OCT 21 2002

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

1516171819202122232425  
OCT 2002  
RECEIVED  
OCD - ART



**County**      **TEXAS**



# Scientific Drilling

DEVON-SFS OPERATING, INC.  
**DEVON ENERGY**

Field: Indian Basin  
Site: Eddy County, NM  
Well: Jones Canyon Fed "4" #8  
Wellpath: VH - Job #32K0602198/262  
Survey: 6/16/02 & 8/06/02

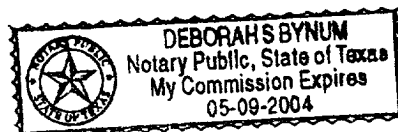
This survey is correct to the best of my knowledge  
and is supported by actual field data.

David Nozly.....Company Representative

Notorized this date 8<sup>th</sup> of August, 2002.

Deborah S Bynum

Notary Signature  
County of Midland  
State of Texas



# Scientific Drilling International

## Survey Report

|                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                   |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Company:</b> DEVON ENERGY<br><b>Field:</b> Indian Basin<br><b>Site:</b> Eddy County, NM<br><b>Well:</b> Jones Canyon Fed "4" #8<br><b>Wellpath:</b> VH - Job #32K0602198/262 | <b>Date:</b> 8/7/2002<br><b>Co-ordinate(NE) Reference:</b> Site: Eddy County, NM, True North<br><b>Vertical (TVD) Reference:</b> SITE 0.0 above Mean Sea Level<br><b>Section (VS) Reference:</b> Well (0.0E,0.0N,154.1Azi)<br><b>Survey Calculation Method:</b> Minimum Curvature | <b>Page:</b> 1 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|

|                                                                          |                                 |  |
|--------------------------------------------------------------------------|---------------------------------|--|
| <b>Survey:</b> 6/16/02 & 8/06/02<br>KSRG 0'-4500' & 4300'-8552'          | <b>Start Date:</b> 7/11/2002    |  |
| <b>Company:</b> Scientific Drilling International<br><b>Tool:</b> Keeper | <b>Engineer:</b> Cossey/Guebara |  |

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | ClsD<br>ft | ClsA<br>deg | DLS<br>deg/100ft |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------|-------------|------------------|
| 0.0      | 0.00        | 0.00        | 0.0       | 0.0      | 0.0       | 0.0       | 0.0        | 0.00        | 0.00             |
| 100.0    | 0.59        | 216.91      | 100.0     | -0.3     | -0.4      | -0.3      | 0.5        | 216.91      | 0.59             |
| 200.0    | 0.52        | 225.83      | 200.0     | -0.9     | -1.1      | -0.9      | 1.5        | 219.64      | 0.11             |
| 300.0    | 0.41        | 216.21      | 300.0     | -1.4     | -1.7      | -1.5      | 2.3        | 220.33      | 0.13             |
| 400.0    | 0.17        | 223.50      | 400.0     | -1.7     | -2.1      | -1.8      | 2.8        | 219.97      | 0.24             |
| 500.0    | 0.09        | 211.87      | 500.0     | -1.8     | -2.3      | -1.9      | 3.0        | 219.93      | 0.08             |
| 600.0    | 0.03        | 152.20      | 600.0     | -1.9     | -2.4      | -2.0      | 3.1        | 219.28      | 0.08             |
| 700.0    | 0.02        | 22.83       | 700.0     | -1.9     | -2.4      | -1.9      | 3.1        | 218.93      | 0.05             |
| 800.0    | 0.12        | 18.30       | 800.0     | -1.8     | -2.3      | -1.9      | 3.0        | 219.73      | 0.10             |
| 900.0    | 0.17        | 58.80       | 900.0     | -1.7     | -2.1      | -1.7      | 2.7        | 219.51      | 0.11             |
| 1000.0   | 0.45        | 71.63       | 1000.0    | -1.6     | -1.9      | -1.2      | 2.3        | 213.05      | 0.29             |
| 1100.0   | 0.68        | 85.30       | 1100.0    | -1.6     | -1.7      | -0.3      | 1.8        | 189.26      | 0.27             |
| 1200.0   | 0.69        | 88.93       | 1200.0    | -1.8     | -1.7      | 0.9       | 1.9        | 151.70      | 0.04             |
| 1300.0   | 0.58        | 229.52      | 1300.0    | -2.2     | -2.0      | 1.1       | 2.3        | 150.69      | 1.20             |
| 1400.0   | 1.18        | 276.67      | 1400.0    | -2.1     | -2.2      | -0.3      | 2.2        | 187.27      | 0.89             |
| 1500.0   | 1.32        | 298.38      | 1499.9    | -1.0     | -1.5      | -2.3      | 2.8        | 236.29      | 0.49             |
| 1600.0   | 1.76        | 330.40      | 1599.9    | 1.2      | 0.3       | -4.1      | 4.1        | 274.70      | 0.95             |
| 1700.0   | 2.00        | 351.34      | 1699.9    | 4.4      | 3.4       | -5.1      | 6.1        | 303.60      | 0.72             |
| 1800.0   | 1.98        | 351.00      | 1799.8    | 7.9      | 6.8       | -5.6      | 8.9        | 320.42      | 0.02             |
| 1900.0   | 1.74        | 352.59      | 1899.7    | 11.1     | 10.0      | -6.1      | 11.8       | 328.67      | 0.25             |
| 2000.0   | 1.68        | 355.17      | 1999.7    | 14.1     | 13.0      | -6.4      | 14.5       | 333.69      | 0.10             |
| 2100.0   | 1.69        | 353.34      | 2099.6    | 17.0     | 15.9      | -6.7      | 17.3       | 337.12      | 0.05             |
| 2200.0   | 1.52        | 354.33      | 2199.6    | 19.8     | 18.7      | -7.0      | 20.0       | 339.42      | 0.17             |
| 2300.0   | 1.60        | 356.70      | 2299.6    | 22.5     | 21.4      | -7.2      | 22.6       | 341.34      | 0.10             |
| 2400.0   | 1.54        | 355.59      | 2399.5    | 25.2     | 24.2      | -7.4      | 25.3       | 342.93      | 0.07             |
| 2500.0   | 1.50        | 352.03      | 2499.5    | 27.8     | 26.8      | -7.7      | 27.9       | 343.96      | 0.10             |
| 2600.0   | 1.55        | 347.56      | 2599.5    | 30.5     | 29.4      | -8.2      | 30.5       | 344.46      | 0.13             |
| 2700.0   | 1.57        | 344.06      | 2699.4    | 33.2     | 32.1      | -8.8      | 33.3       | 344.57      | 0.10             |
| 2800.0   | 1.45        | 348.12      | 2799.4    | 35.8     | 34.6      | -9.5      | 35.9       | 344.68      | 0.16             |
| 2900.0   | 1.47        | 348.20      | 2899.4    | 38.4     | 37.1      | -10.0     | 38.4       | 344.91      | 0.02             |
| 3000.0   | 1.52        | 352.84      | 2999.3    | 41.0     | 39.7      | -10.4     | 41.0       | 345.27      | 0.13             |
| 3100.0   | 1.44        | 353.72      | 3099.3    | 43.6     | 42.2      | -10.7     | 43.6       | 345.74      | 0.08             |
| 3200.0   | 1.47        | 355.00      | 3199.3    | 46.1     | 44.8      | -11.0     | 46.1       | 346.21      | 0.04             |
| 3300.0   | 1.50        | 356.93      | 3299.2    | 48.6     | 47.4      | -11.2     | 48.6       | 346.73      | 0.06             |
| 3400.0   | 1.57        | 354.03      | 3399.2    | 51.3     | 50.0      | -11.4     | 51.3       | 347.18      | 0.10             |
| 3500.0   | 1.53        | 357.24      | 3499.2    | 54.0     | 52.7      | -11.6     | 54.0       | 347.60      | 0.10             |
| 3600.0   | 1.55        | 352.14      | 3599.1    | 56.6     | 55.4      | -11.8     | 56.6       | 347.94      | 0.14             |
| 3700.0   | 1.62        | 355.25      | 3699.1    | 59.4     | 58.1      | -12.1     | 59.4       | 348.21      | 0.11             |
| 3800.0   | 1.45        | 347.66      | 3799.0    | 62.1     | 60.8      | -12.5     | 62.1       | 348.36      | 0.26             |
| 3900.0   | 1.45        | 347.06      | 3899.0    | 64.6     | 63.3      | -13.1     | 64.6       | 348.32      | 0.02             |
| 4000.0   | 1.51        | 351.81      | 3999.0    | 67.2     | 65.8      | -13.6     | 67.2       | 348.36      | 0.14             |
| 4100.0   | 1.36        | 350.58      | 4098.9    | 69.7     | 68.3      | -13.9     | 69.7       | 348.46      | 0.15             |
| 4200.0   | 1.21        | 344.20      | 4198.9    | 71.9     | 70.5      | -14.4     | 71.9       | 348.44      | 0.21             |
| 4300.0   | 1.19        | 339.95      | 4298.9    | 74.0     | 72.4      | -15.1     | 74.0       | 348.26      | 0.09             |
| 4400.0   | 1.02        | 332.36      | 4398.9    | 75.9     | 74.2      | -15.8     | 75.9       | 347.96      | 0.22             |
| 4500.0   | 1.04        | 332.36      | 4498.9    | 77.6     | 75.8      | -16.7     | 77.6       | 347.60      | 0.02             |
| 4600.0   | 0.97        | 330.88      | 4598.8    | 79.3     | 77.3      | -17.5     | 79.3       | 347.26      | 0.07             |
| 4700.0   | 0.96        | 327.57      | 4698.8    | 80.9     | 78.8      | -18.4     | 80.9       | 346.89      | 0.06             |

# Scientific Drilling International

## Survey Report

Company: DEVON ENERGY  
 Field: Indian Basin  
 Site: Eddy County, NM  
 Well: Jones Canyon Fed "4" #8  
 Wellpath: VH - Job #32K0602198/262

Date: 8/7/2002 Time: 10:38:02 Page: 2  
 Co-ordinate(N/E) Reference: Site: Eddy County, NM, True North  
 Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level  
 Section (VS) Reference: Well (0.0E, 0.0N, 154.1Azi)  
 Survey Calculation Method: Minimum Curvature

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | ClsD<br>ft | ClsA<br>deg | DLS<br>deg/100ft |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------|-------------|------------------|
| 4800.0   | 1.24        | 234.62      | 4798.8    | 81.3     | 78.9      | -19.7     | 81.3       | 345.99      | 1.61             |
| 4900.0   | 2.90        | 189.90      | 4898.8    | 78.5     | 75.7      | -21.0     | 78.6       | 344.50      | 2.20             |
| 5000.0   | 4.20        | 173.49      | 4998.6    | 72.5     | 69.6      | -21.0     | 72.7       | 343.20      | 1.64             |
| 5100.0   | 5.90        | 159.86      | 5098.2    | 63.8     | 61.2      | -18.8     | 64.0       | 342.88      | 2.07             |
| 5200.0   | 7.49        | 154.71      | 5197.5    | 52.3     | 50.4      | -14.3     | 52.4       | 344.19      | 1.70             |
| 5300.0   | 9.35        | 154.10      | 5296.4    | 38.1     | 37.2      | -8.0      | 38.1       | 347.95      | 1.86             |
| 5400.0   | 11.97       | 155.93      | 5394.7    | 20.0     | 20.5      | -0.2      | 20.5       | 359.52      | 2.64             |
| 5500.0   | 13.13       | 155.87      | 5492.3    | -1.3     | 0.6       | 8.7       | 8.7        | 85.92       | 1.16             |
| 5600.0   | 14.55       | 155.64      | 5589.4    | -24.7    | -21.2     | 18.5      | 28.1       | 138.84      | 1.42             |
| 5700.0   | 15.93       | 153.42      | 5685.9    | -50.3    | -44.9     | 29.8      | 53.9       | 146.39      | 1.50             |
| 5800.0   | 16.82       | 152.15      | 5781.8    | -77.5    | -70.0     | 42.7      | 82.0       | 148.58      | 0.96             |
| 5900.0   | 18.93       | 152.10      | 5877.0    | -107.1   | -97.1     | 57.1      | 112.6      | 149.54      | 2.11             |
| 6000.0   | 19.21       | 151.14      | 5971.5    | -138.5   | -125.8    | 72.6      | 145.3      | 150.01      | 0.42             |
| 6100.0   | 19.67       | 150.89      | 6065.8    | -170.4   | -155.0    | 88.8      | 178.6      | 150.20      | 0.47             |
| 6200.0   | 19.77       | 151.77      | 6159.9    | -202.8   | -184.6    | 104.9     | 212.3      | 150.38      | 0.31             |
| 6300.0   | 18.29       | 151.69      | 6254.5    | -234.2   | -213.3    | 120.4     | 244.9      | 150.56      | 1.48             |
| 6400.0   | 17.59       | 153.05      | 6349.6    | -263.9   | -240.6    | 134.7     | 275.7      | 150.76      | 0.82             |
| 6500.0   | 15.96       | 152.36      | 6445.3    | -291.8   | -266.2    | 147.9     | 304.5      | 150.94      | 1.64             |
| 6600.0   | 16.03       | 152.93      | 6541.5    | -318.4   | -290.7    | 160.6     | 332.1      | 151.09      | 0.17             |
| 6700.0   | 14.74       | 152.35      | 6637.9    | -344.1   | -314.3    | 172.8     | 358.6      | 151.20      | 1.30             |
| 6800.0   | 14.74       | 153.75      | 6734.6    | -358.7   | -336.9    | 184.3     | 384.0      | 151.32      | 0.36             |
| 6900.0   | 10.50       | 152.71      | 6832.1    | -389.9   | -356.4    | 194.1     | 405.9      | 151.43      | 4.25             |
| 7000.0   | 7.98        | 149.61      | 6930.8    | -435.3   | -370.5    | 201.8     | 421.9      | 151.43      | 2.57             |
| 7100.0   | 6.87        | 150.35      | 7030.0    | -417.6   | -381.7    | 208.3     | 434.8      | 151.38      | 1.11             |
| 7200.0   | 6.74        | 150.93      | 7129.3    | -428.9   | -392.0    | 214.1     | 446.7      | 151.36      | 0.15             |
| 7300.0   | 6.54        | 151.52      | 7228.6    | -440.0   | -402.2    | 219.6     | 458.2      | 151.36      | 0.21             |
| 7400.0   | 5.54        | 155.27      | 7328.1    | -450.2   | -411.6    | 224.4     | 468.8      | 151.40      | 1.07             |
| 7500.0   | 3.62        | 152.98      | 7427.7    | -458.0   | -418.8    | 227.8     | 476.7      | 151.45      | 1.93             |
| 7600.0   | 3.42        | 152.95      | 7527.6    | -433.9   | -424.2    | 230.6     | 482.9      | 151.47      | 0.20             |
| 7700.0   | 3.25        | 160.80      | 7627.4    | -439.6   | -429.6    | 232.9     | 488.6      | 151.54      | 0.49             |
| 7800.0   | 2.83        | 166.61      | 7727.2    | -474.9   | -434.7    | 234.4     | 493.8      | 151.66      | 0.52             |
| 7900.0   | 2.57        | 175.90      | 7827.1    | -479.6   | -439.3    | 235.1     | 498.3      | 151.84      | 0.51             |
| 8000.0   | 1.88        | 205.24      | 7927.1    | -433.1   | -443.0    | 234.6     | 501.3      | 152.10      | 1.31             |
| 8100.0   | 1.53        | 246.49      | 8027.0    | -434.7   | -445.0    | 232.7     | 502.2      | 152.40      | 1.24             |
| 8200.0   | 1.71        | 245.39      | 8127.0    | -435.3   | -446.2    | 230.1     | 502.0      | 152.72      | 0.18             |
| 8300.0   | 1.95        | 245.83      | 8226.9    | -435.9   | -447.5    | 227.2     | 501.9      | 153.08      | 0.24             |
| 8400.0   | 1.92        | 240.43      | 8326.9    | -436.8   | -449.0    | 224.2     | 501.9      | 153.47      | 0.18             |
| 8500.0   | 1.95        | 240.17      | 8426.8    | -437.8   | -450.7    | 221.2     | 502.1      | 153.85      | 0.03             |
| 8552.0   | 2.18        | 245.01      | 8478.8    | -438.2   | -451.6    | 219.6     | 502.1      | 154.07      | 0.55             |



**Scientific  
Drilling**

Field: Indian Basin  
Site: Eddy County, NM  
Well: Jones Canyon Fed "4" #8  
Wellpath: VH - Job #32K0602198/262  
Survey: 6/16/02 & 8/06/02

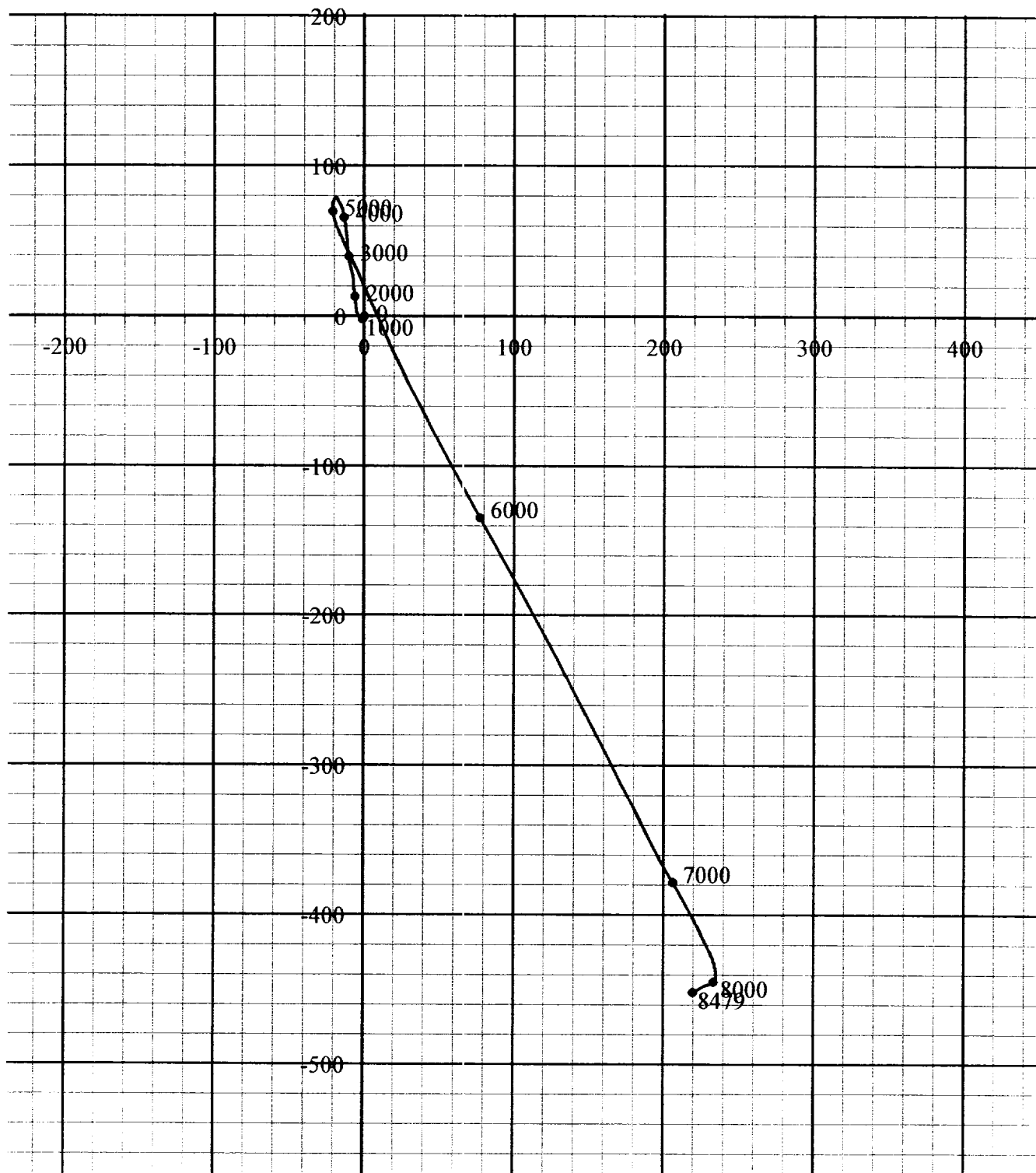
1/1/1



All Angles Relative  
To True North

True North: 0.00  
Magnetic North: 0.00

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]