

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTJAN 02 2008  
OCD-ARTESIAFORM APPROVED  
OMB NO. 1004-0137  
EXPIRES: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other (Amended \*see survey  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv., attached)  
☐ Other

2 Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

3. Address

20 North Broadway, Oklahoma City, OK 73102

3a Phone No. (include area code)

405-235-3611

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

At Surface

810' FSL 910' FEL

At top prod. Interval reported below

PP: 447' FSL &amp; 1464' FEL

At total Depth BHL: 430' FSL &amp; 330' FWL Sec 25 T22S R30E

14. Date Spudded

7/29/2007

15. Date T.D. Reached

8/27/2007

16. Date Completed

10/9/2007

☐ D & A☒ Ready to Prod.

18. Total Depth: MD

11,420'

TVD

7,555'

19. Plug Back T.D. MD

11,336'

TVI

20. Depth Bridge Plug Set MD

TVI

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No☐ Yes (Submit analysis)

Was DST run?

☒ No☐ Yes (Submit report)

Directional Survey?

☐ No☒ Yes (Submit copy)

## SPC/DENS/DUAL/NEUTRON &amp; ARRAY/COMP/RES

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 Cement   | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|------------|----------|-------------|----------------------|----------------------------|-------------------|-------------|---------------|
| 17 1/2"   | 13 3/8" H40 | 48#        |          | 637'        |                      | 650 sx CI C;100 sx to pit  |                   | Surface     |               |
| 12 1/4"   | 9 5/8" J55  | 40#        |          | 3870'       |                      | 1550 sx CI C;200 sx to pit |                   | Surface     |               |
| 8 3/4"    | 7" J55      | 26#        |          | 7935'       |                      | 1310 sx CI C;200 sx to pit |                   | Surface     |               |
| 6 1/8"    | 4 1/2" N80  | 11.6#      |          | 11,420'     |                      | 485 sx CI H;128 sx to pit  |                   | TOL 7220'   |               |

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" | 7,202'         |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation              | Top   | Bottom | Perforated Interval | Size | No Holes | Perf. Status |
|------------------------|-------|--------|---------------------|------|----------|--------------|
| Delaware Brushy Canyon | 10136 | 11332  | 10136-11332         |      | 23       | Producing    |
| Delaware Brushy Canyon | 8207  | 9502   | 8207-9502           |      | 23       | Producing    |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material                                                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10136-11332    | Acidize w/1400 gals 7 1/2% NEFE & 46 BS. Frac w/ 249K gals Spec Star 2800 Gel, 7021# 100 Mesh Sd, 302,563# 20/40 wh sd, 82,778# 16/30 SiberProp sd flush w/ 13,365 gals 10# gel.   |
| 8207-9502      | Acidize w/ 800 gals 7 1/2% NEFE acid. Frac w/ 251,961 gals Spectra Star 2800 Gel, 75K# 100 Mesh Sd, 302,500# 20/40 wh sd, 83,750# 16/30 Siberprop sd flush w/ 12,096 gals 10# Gel. |

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 |
|---------------------|--------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 10/9/2007           | 10/26/2007         | 24           | →               | 205     | 62      | 364       |                       |             | Pumping           |
| Choke Size          | Tbg. Press Flwg SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     | 300                | 90           | →               | 205     | 62      | 364       | 302                   |             |                   |

28a. 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)

## 28b. Production - Interval C

| 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          | Ibg. Press.<br>Flwg SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio         | Well Status |                   |
|                     |                        |              | →               |         |         |           |                       |             |                   |

## 28c. Production - Interval D

| 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          | Ibg. Press.<br>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)

Disposition of Gas (Sold, used for fuel, vented, etc.)

## Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof; Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc | Name          | Top        |
|-----------|-----|--------|-----------------------------|---------------|------------|
|           |     |        |                             |               | Meas Depth |
|           |     |        |                             | Rustler       | 345'       |
|           |     |        |                             | Salado        | 639'       |
|           |     |        |                             | Salt          | 762'       |
|           |     |        |                             | Lamar         | 3872'      |
|           |     |        |                             | Bell Canyon   | 3914'      |
|           |     |        |                             | Cherry Canyon | 4813'      |
|           |     |        |                             | Brushy Canyon | 6069'      |

Additional remarks (include plugging procedure):

Circle enclosed attachments

33. Indicate which items have been attached by placing a check in the appropriate box:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

Name (Please print)

Judy A Barnett

Title

Regulatory Analyst

Signature

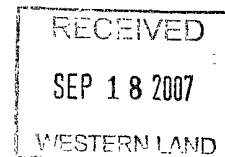
Date 12/28/2007 (\*amended)

18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction



McVAY DRILLING COMPANY

P.O. Box 2450  
Hobbs, New Mexico 88241  
(505) 397-3311  
FAX: 39-DRILL



Well Name and Number: Apache 25 Fed 10H

Location: Sec 25, T22S, R30E, Eddy County, NM

Operator: Devon

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| Degrees @ Depth |      | Degrees @ Depth |       |
|-----------------|------|-----------------|-------|
| 1/2             | 346  | 85 3/4          | 7885  |
| 1               | 637  | 90.75           | 7952  |
| 1               | 1137 | 91              | 8016  |
| 3/4             | 1614 | 90.25           | 8112  |
| 3/4             | 2106 | 90.1            | 8144  |
| 1               | 2606 | 91.2            | 8207  |
| 1.3             | 3080 | 88.6            | 8335  |
| 1.42            | 4359 | 88.7            | 8367  |
| 1.5             | 4836 | 88.7            | 8367  |
| .84             | 5336 | 92.2            | 8621  |
| 1.5             | 6765 | 91              | 8716  |
| 1.1             | 7081 | 89.5            | 8748  |
| 6.1             | 7144 | 88.5            | 8939  |
| .21             | 7270 | 90.75           | 9258  |
| 24.7            | 7300 | 90.7            | 92.98 |
| 47.2            | 7460 | 89.2            | 9571  |
| 61.6            | 7587 | 89.9            | 9798  |
| 64 1/4          | 7619 | 93.1            | 9894  |
| 1               | 7683 | 93.4            | 10084 |
| 71              | 7713 | 93              | 10180 |
| 73 1/4          | 7750 | 91.5            | 10339 |
| 81 1/4          | 7841 | 90              | 10433 |

Drilling Contractor: McVay Drilling Company

By: [Signature]

Subscribed and sworn to before me this 31st day of August, 2007

[Signature]

Notary Public  
Lea County, New Mexico

My Commission Expires: 8-16-09



**McVAY DRILLING COMPANY**

P.O. Box 2450  
Hobbs, New Mexico 88241  
(505) 397-3311  
FAX: 39-DRILL

**Well Name and Number: Apache 25 Fed 10H**

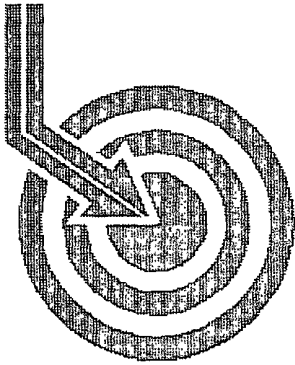
**Location: Sec 25, T22S, R30E, Eddy County, NM**

**Operator: Devon**

**Drilling Contractor: McVay Drilling Company**

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| <u>Degrees @ Depth</u> | <u>Degrees @ Depth</u> |
|------------------------|------------------------|
| 88.5                   | 10815                  |
| 89.75                  | 10910                  |
| 90                     | 11133                  |
| 90.4                   | 11228                  |
| 91.5                   | 11323                  |



# Scientific Drilling

## DEVON ENERGY

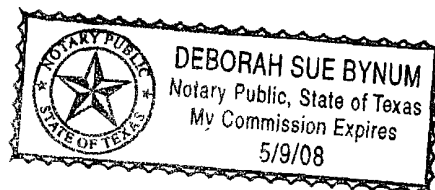
Field: Ingle Wells  
Site: Eddy County, NM  
Well: Apache 25 Fed #10H  
Wellpath: VH - Job #32K0807676  
Survey: 08/09/07

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

Blanton.....Company Representative

Notorized this date 13<sup>th</sup> of August, 2007.

Deborah Sue Bynum  
Notary Signature  
County of Midland  
State of Texas





# Scientific Drilling International

## Survey Report

Company: DEVON ENERGY  
Field: Ingle Wells  
Site: Eddy County, NM  
Well: Apache 25 Fed #10H  
Wellpath: VH - Job #32K0807676

Date: 08/10/2007 Time: 10:34:21 Page: 1  
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,264.59Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 08/09/07 Start Date: 08/09/2007  
KSRG 0'-6790'  
Company: Scientific Drilling Internatio Engineer: Guebara/Rowe/Lopez  
Tool: Keeper, Keeper Gyro Tied-to: From Surface

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 359.73      | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.39        | 282.90      | 100.00    | 0.32     | 0.08      | -0.33     | 0.39             | 0.34       | 282.90      |
| 200.00   | 0.39        | 282.03      | 200.00    | 0.97     | 0.22      | -1.00     | 0.01             | 1.02       | 282.61      |
| 300.00   | 0.51        | 310.61      | 299.99    | 1.60     | 0.58      | -1.67     | 0.25             | 1.77       | 289.28      |
| 400.00   | 0.47        | 262.94      | 399.99    | 2.32     | 0.82      | -2.41     | 0.40             | 2.55       | 288.82      |
| 500.00   | 0.56        | 269.68      | 499.99    | 3.22     | 0.77      | -3.30     | 0.11             | 3.39       | 283.09      |
| 600.00   | 0.65        | 260.80      | 599.98    | 4.27     | 0.67      | -4.35     | 0.13             | 4.40       | 278.82      |
| 700.00   | 0.84        | 263.23      | 699.97    | 5.57     | 0.50      | -5.64     | 0.19             | 5.66       | 275.05      |
| 800.00   | 0.81        | 251.32      | 799.96    | 6.99     | 0.19      | -7.03     | 0.17             | 7.04       | 271.51      |
| 900.00   | 0.96        | 258.48      | 899.95    | 8.51     | -0.21     | -8.52     | 0.19             | 8.53       | 268.60      |
| 1000.00  | 0.91        | 256.72      | 999.94    | 10.13    | -0.56     | -10.12    | 0.06             | 10.13      | 266.84      |
| 1100.00  | 0.70        | 252.03      | 1099.93   | 11.51    | -0.93     | -11.47    | 0.22             | 11.51      | 265.37      |
| 1200.00  | 0.86        | 242.65      | 1199.92   | 12.80    | -1.46     | -12.72    | 0.20             | 12.80      | 263.45      |
| 1300.00  | 0.90        | 242.61      | 1299.91   | 14.22    | -2.17     | -14.08    | 0.04             | 14.25      | 261.25      |
| 1400.00  | 1.00        | 237.67      | 1399.89   | 15.73    | -2.99     | -15.51    | 0.13             | 15.80      | 259.08      |
| 1500.00  | 0.78        | 241.64      | 1499.88   | 17.13    | -3.78     | -16.85    | 0.22             | 17.27      | 257.34      |
| 1600.00  | 0.99        | 228.88      | 1599.87   | 18.46    | -4.68     | -18.10    | 0.28             | 18.70      | 255.52      |
| 1700.00  | 0.99        | 235.33      | 1699.85   | 19.91    | -5.73     | -19.46    | 0.11             | 20.29      | 253.59      |
| 1800.00  | 0.82        | 229.01      | 1799.84   | 21.25    | -6.69     | -20.71    | 0.20             | 21.77      | 252.09      |
| 1900.00  | 0.85        | 221.76      | 1899.83   | 22.38    | -7.72     | -21.75    | 0.11             | 23.08      | 250.46      |
| 2000.00  | 1.02        | 223.82      | 1999.82   | 23.59    | -8.91     | -22.86    | 0.17             | 24.53      | 248.70      |
| 2100.00  | 1.07        | 217.89      | 2099.80   | 24.91    | -10.29    | -24.04    | 0.12             | 26.15      | 246.83      |
| 2200.00  | 0.81        | 226.21      | 2199.79   | 26.10    | -11.52    | -25.13    | 0.29             | 27.64      | 245.38      |
| 2300.00  | 0.81        | 233.04      | 2299.78   | 27.26    | -12.43    | -26.20    | 0.10             | 29.00      | 244.62      |
| 2400.00  | 0.97        | 214.54      | 2399.77   | 28.40    | -13.55    | -27.25    | 0.32             | 30.43      | 243.56      |
| 2500.00  | 0.88        | 225.93      | 2499.75   | 29.55    | -14.78    | -28.28    | 0.20             | 31.91      | 242.41      |
| 2600.00  | 0.89        | 211.06      | 2599.74   | 30.81    | -15.98    | -29.23    | 0.23             | 33.31      | 241.34      |
| 2700.00  | 1.30        | 214.09      | 2699.72   | 31.79    | -17.58    | -30.27    | 0.41             | 35.00      | 239.85      |
| 2800.00  | 1.49        | 215.36      | 2799.69   | 33.36    | -19.58    | -31.65    | 0.19             | 37.22      | 238.26      |
| 2900.00  | 1.40        | 210.17      | 2899.66   | 34.92    | -21.69    | -33.02    | 0.16             | 39.51      | 236.69      |
| 3000.00  | 1.38        | 216.37      | 2999.63   | 36.43    | -23.72    | -34.35    | 0.15             | 41.74      | 235.37      |
| 3100.00  | 1.48        | 197.08      | 3099.60   | 37.72    | -25.92    | -35.44    | 0.49             | 43.91      | 233.82      |
| 3200.00  | 1.76        | 188.38      | 3199.56   | 38.58    | -28.67    | -36.04    | 0.37             | 46.05      | 231.50      |
| 3300.00  | 1.56        | 191.85      | 3299.52   | 39.35    | -31.52    | -36.54    | 0.22             | 48.26      | 229.22      |
| 3400.00  | 1.58        | 184.11      | 3399.48   | 39.98    | -34.23    | -36.92    | 0.21             | 50.35      | 227.17      |
| 3500.00  | 1.60        | 179.65      | 3499.44   | 40.34    | -37.00    | -37.01    | 0.13             | 52.34      | 225.01      |
| 3600.00  | 1.87        | 173.38      | 3599.40   | 40.42    | -40.02    | -36.82    | 0.33             | 54.38      | 222.61      |
| 3700.00  | 1.87        | 167.74      | 3699.34   | 40.20    | -43.23    | -36.28    | 0.18             | 56.44      | 220.01      |
| 3800.00  | 1.70        | 170.45      | 3799.30   | 39.89    | -46.29    | -35.69    | 0.19             | 58.45      | 217.63      |
| 3900.00  | 1.76        | 163.09      | 3899.25   | 39.48    | -49.22    | -35.00    | 0.23             | 60.39      | 215.41      |
| 4000.00  | 1.69        | 172.04      | 3999.21   | 39.11    | -52.15    | -34.35    | 0.28             | 62.44      | 213.37      |
| 4100.00  | 1.70        | 169.04      | 4099.16   | 38.90    | -55.06    | -33.86    | 0.09             | 64.64      | 211.59      |
| 4200.00  | 1.48        | 164.10      | 4199.12   | 38.52    | -57.77    | -33.22    | 0.26             | 66.64      | 209.90      |
| 4300.00  | 1.58        | 165.79      | 4299.09   | 38.07    | -60.35    | -32.53    | 0.11             | 68.56      | 208.33      |
| 4400.00  | 1.37        | 162.43      | 4399.05   | 37.61    | -62.83    | -31.83    | 0.22             | 70.43      | 206.87      |
| 4500.00  | 1.14        | 166.54      | 4499.03   | 37.22    | -64.94    | -31.24    | 0.25             | 72.06      | 205.69      |
| 4600.00  | 1.35        | 162.57      | 4599.01   | 36.83    | -67.03    | -30.65    | 0.22             | 73.70      | 204.57      |
| 4700.00  | 1.00        | 161.04      | 4698.99   | 36.39    | -68.97    | -30.02    | 0.35             | 75.22      | 203.52      |
| 4800.00  | 1.12        | 163.71      | 4798.97   | 36.00    | -70.74    | -29.46    | 0.13             | 76.63      | 202.61      |



# Scientific Drilling International

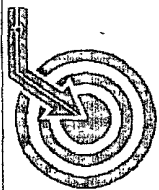
## Survey Report

Company: DEVON ENERGY  
Field: Ingle Wells  
Site: Eddy County, NM  
Well: Apache 25 Fed #10H  
Wellpath: VH - Job #32K0807676

Date: 08/10/2007 Time: 10:34:21 Page: 2  
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,264.59Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

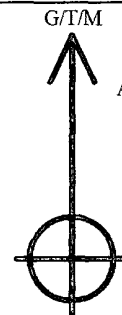
### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClbD<br>ft | ClbA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4900.00  | 1.37        | 163.90      | 4898.94   | 35.59    | -72.82    | -28.85    | 0.25             | 78.33      | 201.62      |
| 5000.00  | 1.27        | 172.38      | 4998.92   | 35.33    | -75.07    | -28.38    | 0.22             | 80.25      | 200.71      |
| 5100.00  | 1.24        | 164.75      | 5098.89   | 35.10    | -77.21    | -27.94    | 0.17             | 82.11      | 199.90      |
| 5200.00  | 1.14        | 172.93      | 5198.87   | 34.89    | -79.24    | -27.54    | 0.20             | 83.89      | 199.16      |
| 5300.00  | 1.22        | 172.65      | 5298.85   | 34.82    | -81.29    | -27.28    | 0.08             | 85.74      | 198.55      |
| 5400.00  | 1.08        | 170.44      | 5398.83   | 34.72    | -83.27    | -26.99    | 0.14             | 87.54      | 197.96      |
| 5500.00  | 1.01        | 159.02      | 5498.81   | 34.41    | -85.03    | -26.51    | 0.22             | 89.06      | 197.32      |
| 5600.00  | 1.00        | 183.80      | 5598.80   | 34.31    | -86.72    | -26.25    | 0.43             | 90.61      | 196.84      |
| 5700.00  | 0.78        | 179.23      | 5698.79   | 34.51    | -88.27    | -26.30    | 0.23             | 92.11      | 196.59      |
| 5800.00  | 1.05        | 188.70      | 5798.77   | 34.79    | -89.86    | -26.43    | 0.31             | 93.66      | 196.39      |
| 5900.00  | 1.09        | 182.68      | 5898.76   | 35.14    | -91.71    | -26.62    | 0.12             | 95.49      | 196.18      |
| 6000.00  | 1.05        | 185.55      | 5998.74   | 35.45    | -93.57    | -26.75    | 0.07             | 97.32      | 195.95      |
| 6100.00  | 0.85        | 198.37      | 6098.73   | 35.93    | -95.19    | -27.07    | 0.29             | 98.96      | 195.88      |
| 6200.00  | 1.07        | 204.01      | 6198.71   | 36.68    | -96.75    | -27.69    | 0.24             | 100.63     | 195.97      |
| 6300.00  | 1.03        | 197.19      | 6298.70   | 37.49    | -98.46    | -28.33    | 0.13             | 102.45     | 196.05      |
| 6400.00  | 1.04        | 203.14      | 6398.68   | 38.27    | -100.15   | -28.95    | 0.11             | 104.25     | 196.12      |
| 6500.00  | 1.21        | 218.26      | 6498.66   | 39.43    | -101.82   | -29.96    | 0.34             | 106.13     | 196.40      |
| 6600.00  | 1.17        | 210.68      | 6598.64   | 40.76    | -103.52   | -31.14    | 0.16             | 108.10     | 196.74      |
| 6700.00  | 1.22        | 211.18      | 6698.62   | 42.00    | -105.31   | -32.21    | 0.05             | 110.13     | 197.01      |
| 6790.00  | 1.08        | 218.33      | 6788.60   | 43.15    | -106.80   | -33.23    | 0.22             | 111.85     | 197.29      |



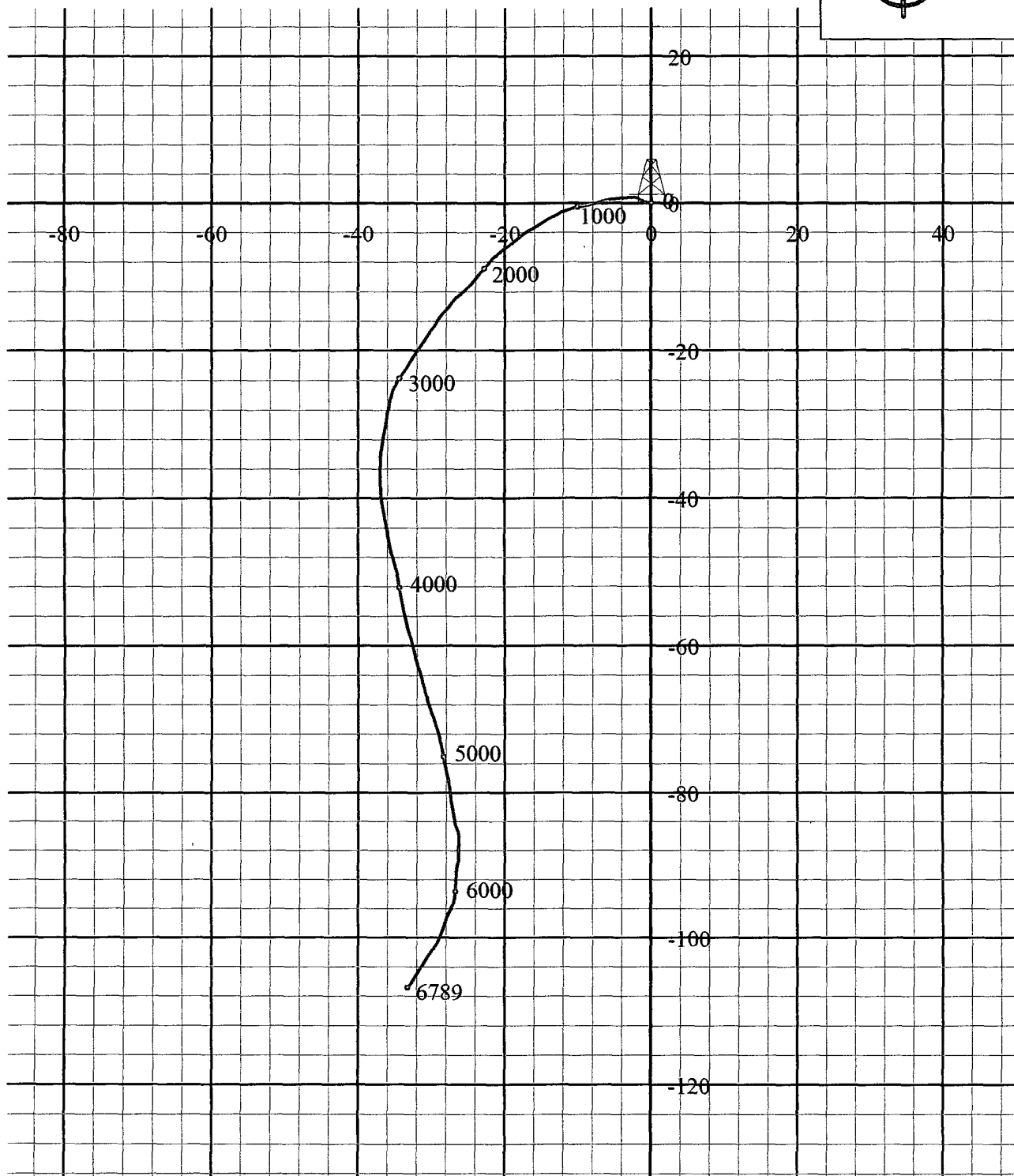
Scientific  
Drilling

Field: Ingle Wells  
Site: Eddy County, NM  
Well: Apache 25 Fed #10H  
Wellpath: VH - Job #32K0807676  
Survey: 08/09/07



Azimuths to Grid North  
True North: 0.00°  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0nT  
Dip Angle: 0.00°  
Date: 08/10/2007  
Model: igrf2000



South(-)/North(+) [20ft/in]

West(-)/East(+) [20ft/in]



Devon Energy

Well Name: Apache 25 Federal #10H

Survey: Section 25, Township 22 South, Range 30 East

Eddy County, New Mexico

Directional Driller: Calvin Jones

Survey Depth From: 6790' MD

Survey Depth To: 11420' MD





# Actual Wellpath Report

#10H AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H_AWB    |
| Facility | Apache 25                     |          |             |

## REPORT SETUP INFORMATION

|                       |                                                                  |                      |                       |
|-----------------------|------------------------------------------------------------------|----------------------|-----------------------|
| Projection System     | NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet | Software System      | WellArchitect™ 1.2    |
| North Reference       | Grid                                                             | User                 | Gomeoscr              |
| Scale                 | 0.999937                                                         | Report Generated     | 08/27/07 at 09:43:30  |
| Wellbore last revised | 08/09/07                                                         | Database/Source file | WA_Midland/#10H_AWB.s |

## WELLPATH LOCATION

|                       | Local coordinates |             | Grid coordinates  |                    | Geographic coordinates |                |
|-----------------------|-------------------|-------------|-------------------|--------------------|------------------------|----------------|
|                       | North [feet]      | East [feet] | Easting [US feet] | Northing [US feet] | Latitude [°]           | Longitude [°]  |
| Slot Location         | 0.00              | 0.00        | 697210.85         | 494370.02          | 32 21 29.100N          | 103 49 42.700W |
| Facility Reference Pt |                   |             | 697210.85         | 494370.02          | 32 21 29.100N          | 103 49 42.700W |
| Field Reference Pt    |                   |             | 697210.85         | 494370.02          | 32 21 29.100N          | 103 49 42.700W |

## WELLPATH DATUM

|                          |                      |                                                 |                   |
|--------------------------|----------------------|-------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature    | Rig on #10H_SHL (RT) to Facility Vertical Datum | 0.00 feet         |
| Horizontal Reference Pt  | Slot                 | Rig on #10H_SHL (RT) to Mean Sea Level          | 0.00 feet         |
| Vertical Reference Pt    | Rig on #10H_SHL (RT) | Facility Vertical Datum to Mud Line (Facility)  | 0.00 feet         |
| MD Reference Pt          | Rig on #10H_SHL (RT) | Section Origin                                  | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level       | Section Azimuth                                 | 264.59°           |



# Actual Wellpath Report

#10H AWP

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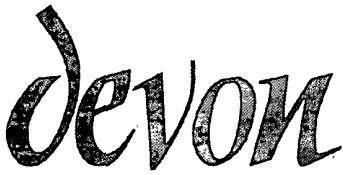
INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWB    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[°/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 0.00         | 0.000              | 0.000          | 0.00          | 0.00                | 0.00            | 0.00           | 0.00             |                 |
| 100.00       | 0.390              | 282.900        | 100.00        | 0.32                | 0.08            | -0.33          | 0.39             |                 |
| 200.00       | 0.390              | 282.030        | 200.00        | 0.97                | 0.22            | -1.00          | 0.01             |                 |
| 300.00       | 0.510              | 310.610        | 299.99        | 1.60                | 0.58            | -1.67          | 0.25             |                 |
| 400.00       | 0.470              | 262.940        | 399.99        | 2.32                | 0.82            | -2.41          | 0.40             |                 |
| 500.00       | 0.560              | 269.680        | 499.99        | 3.22                | 0.77            | -3.31          | 0.11             |                 |
| 600.00       | 0.650              | 260.800        | 599.98        | 4.27                | 0.68            | -4.36          | 0.13             |                 |
| 700.00       | 0.840              | 263.230        | 699.97        | 5.57                | 0.50            | -5.64          | 0.19             |                 |
| 800.00       | 0.810              | 251.320        | 799.96        | 6.99                | 0.19            | -7.04          | 0.17             |                 |
| 900.00       | 0.960              | 258.480        | 899.95        | 8.51                | -0.21           | -8.53          | 0.19             |                 |
| 1000.00      | 0.910              | 256.720        | 999.94        | 10.13               | -0.56           | -10.13         | 0.06             |                 |
| 1100.00      | 0.700              | 252.030        | 1099.93       | 11.52               | -0.93           | -11.48         | 0.22             |                 |
| 1200.00      | 0.860              | 242.650        | 1199.92       | 12.81               | -1.46           | -12.73         | 0.20             |                 |
| 1300.00      | 0.900              | 242.610        | 1299.91       | 14.23               | -2.17           | -14.09         | 0.04             |                 |
| 1400.00      | 1.000              | 237.670        | 1399.89       | 15.74               | -3.00           | -15.53         | 0.13             |                 |
| 1500.00      | 0.780              | 241.640        | 1499.88       | 17.14               | -3.79           | -16.86         | 0.23             |                 |
| 1600.00      | 0.990              | 228.880        | 1599.87       | 18.47               | -4.68           | -18.11         | 0.29             |                 |
| 1700.00      | 0.990              | 235.330        | 1699.85       | 19.93               | -5.74           | -19.47         | 0.11             |                 |
| 1800.00      | 0.820              | 229.010        | 1799.84       | 21.26               | -6.70           | -20.72         | 0.20             |                 |
| 1900.00      | 0.850              | 221.760        | 1899.83       | 22.39               | -7.72           | -21.76         | 0.11             |                 |
| 2000.00      | 1.020              | 223.820        | 1999.82       | 23.61               | -8.92           | -22.87         | 0.17             |                 |
| 2100.00      | 1.070              | 217.890        | 2099.80       | 24.92               | -10.29          | -24.06         | 0.12             |                 |
| 2200.00      | 0.810              | 226.210        | 2199.79       | 26.12               | -11.52          | -25.14         | 0.29             |                 |
| 2300.00      | 0.810              | 233.040        | 2299.78       | 27.27               | -12.43          | -26.22         | 0.10             |                 |
| 2400.00      | 0.970              | 214.540        | 2399.77       | 28.42               | -13.56          | -27.26         | 0.33             |                 |



# Actual Wellpath Report

#10H AWP

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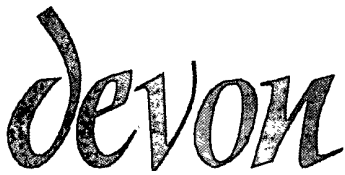
INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWB    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[°/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 2500.00      | 0.880              | 225.930        | 2499.75       | 29.56               | -14.79          | -28.29         | 0.20             |                 |
| 2600.00      | 0.890              | 211.060        | 2599.74       | 30.62               | -15.99          | -29.25         | 0.23             |                 |
| 2700.00      | 1.300              | 214.090        | 2699.72       | 31.81               | -17.59          | -30.28         | 0.41             |                 |
| 2800.00      | 1.490              | 215.360        | 2799.69       | 33.38               | -19.59          | -31.67         | 0.19             |                 |
| 2900.00      | 1.400              | 210.170        | 2899.66       | 34.94               | -21.71          | -33.04         | 0.16             |                 |
| 3000.00      | 1.380              | 216.370        | 2999.63       | 36.45               | -23.73          | -34.36         | 0.15             |                 |
| 3100.00      | 1.480              | 197.080        | 3099.60       | 37.75               | -25.94          | -35.46         | 0.49             |                 |
| 3200.00      | 1.760              | 188.380        | 3199.56       | 38.61               | -28.69          | -36.06         | 0.37             |                 |
| 3300.00      | 1.560              | 191.850        | 3299.52       | 39.38               | -31.54          | -36.56         | 0.22             |                 |
| 3400.00      | 1.580              | 184.110        | 3399.48       | 40.01               | -34.25          | -36.94         | 0.21             |                 |
| 3500.00      | 1.600              | 179.650        | 3499.44       | 40.36               | -37.02          | -37.03         | 0.13             |                 |
| 3600.00      | 1.870              | 173.380        | 3599.40       | 40.45               | -40.04          | -36.84         | 0.33             |                 |
| 3700.00      | 1.870              | 167.740        | 3699.34       | 40.22               | -43.25          | -36.30         | 0.18             |                 |
| 3800.00      | 1.700              | 170.450        | 3799.30       | 39.92               | -46.31          | -35.71         | 0.19             |                 |
| 3900.00      | 1.760              | 163.090        | 3899.25       | 39.51               | -49.24          | -35.02         | 0.23             |                 |
| 4000.00      | 1.690              | 172.040        | 3999.20       | 39.13               | -52.17          | -34.37         | 0.28             |                 |
| 4100.00      | 1.700              | 169.040        | 4099.16       | 38.92               | -55.09          | -33.88         | 0.09             |                 |
| 4200.00      | 1.480              | 164.100        | 4199.12       | 38.55               | -57.79          | -33.24         | 0.26             |                 |
| 4300.00      | 1.580              | 165.790        | 4299.09       | 38.10               | -60.37          | -32.55         | 0.11             |                 |
| 4400.00      | 1.370              | 162.430        | 4399.05       | 37.64               | -62.84          | -31.85         | 0.23             |                 |
| 4500.00      | 1.140              | 166.540        | 4499.03       | 37.25               | -64.95          | -31.26         | 0.25             |                 |
| 4600.00      | 1.350              | 162.570        | 4599.01       | 36.86               | -67.04          | -30.68         | 0.23             |                 |
| 4700.00      | 1.000              | 161.040        | 4698.98       | 36.41               | -68.99          | -30.04         | 0.35             |                 |
| 4800.00      | 1.120              | 163.710        | 4798.97       | 36.02               | -70.75          | -29.48         | 0.13             |                 |
| 4900.00      | 1.370              | 163.900        | 4898.94       | 35.62               | -72.84          | -28.88         | 0.25             |                 |



# Actual Wellpath Report

#10H AWP

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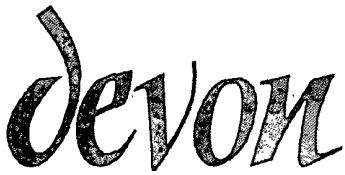
INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H_AWB    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[°/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 5000.00      | 1.270              | 172.380        | 4998.92       | 35.35               | -75.09          | -28.40         | 0.22             |                 |
| 5100.00      | 1.240              | 164.750        | 5098.89       | 35.13               | -77.23          | -27.97         | 0.17             |                 |
| 5200.00      | 1.140              | 172.930        | 5198.87       | 34.91               | -79.26          | -27.56         | 0.20             |                 |
| 5300.00      | 1.220              | 172.650        | 5298.85       | 34.85               | -81.30          | -27.30         | 0.08             |                 |
| 5400.00      | 1.080              | 170.440        | 5398.83       | 34.74               | -83.29          | -27.01         | 0.15             |                 |
| 5500.00      | 1.010              | 159.020        | 5498.81       | 34.44               | -85.04          | -26.54         | 0.22             |                 |
| 5600.00      | 1.000              | 183.800        | 5598.80       | 34.34               | -86.73          | -26.28         | 0.43             |                 |
| 5700.00      | 0.780              | 179.230        | 5698.79       | 34.54               | -88.29          | -26.33         | 0.23             |                 |
| 5800.00      | 1.050              | 188.700        | 5798.77       | 34.81               | -89.87          | -26.46         | 0.31             |                 |
| 5900.00      | 1.090              | 182.680        | 5898.76       | 35.17               | -91.73          | -26.64         | 0.12             |                 |
| 6000.00      | 1.050              | 185.550        | 5998.74       | 35.48               | -93.59          | -26.77         | 0.07             |                 |
| 6100.00      | 0.850              | 198.370        | 6098.73       | 35.95               | -95.21          | -27.09         | 0.29             |                 |
| 6200.00      | 1.070              | 204.010        | 6198.71       | 36.71               | -96.76          | -27.71         | 0.24             |                 |
| 6300.00      | 1.030              | 197.190        | 6298.69       | 37.52               | -98.47          | -28.35         | 0.13             |                 |
| 6400.00      | 1.040              | 203.140        | 6398.68       | 38.29               | -100.17         | -28.98         | 0.11             |                 |
| 6500.00      | 1.210              | 218.260        | 6498.66       | 39.46               | -101.83         | -29.99         | 0.34             |                 |
| 6600.00      | 1.170              | 210.680        | 6598.64       | 40.79               | -103.54         | -31.16         | 0.16             |                 |
| 6700.00      | 1.220              | 211.180        | 6698.62       | 42.02               | -105.33         | -32.23         | 0.05             |                 |
| 6790.00      | 1.080              | 218.330        | 6788.60       | 43.18               | -106.81         | -33.25         | 0.22             |                 |
| 7018.00      | 1.300              | 218.200        | 7016.55       | 46.45               | -110.53         | -36.19         | 0.10             |                 |
| 7055.00      | 1.300              | 223.800        | 7053.54       | 47.06               | -111.16         | -36.74         | 0.34             |                 |
| 7081.00      | 1.100              | 220.600        | 7079.53       | 47.46               | -111.56         | -37.10         | 0.81             |                 |
| 7113.00      | 3.000              | 227.000        | 7111.51       | 48.35               | -112.37         | -37.92         | 5.97             |                 |
| 7144.00      | 6.100              | 228.000        | 7142.41       | 50.31               | -114.02         | -39.73         | 10.00            |                 |
| 7175.00      | 9.700              | 231.900        | 7173.11       | 53.83               | -116.74         | -43.01         | 11.73            |                 |



# Actual Wellpath Report

#10H AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWP    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[°/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 7207.00      | 13.500             | 234.700        | 7204.45       | 59.34               | -120.56         | -48.19         | 12.00            |                 |
| 7239.00      | 17.300             | 236.400        | 7235.30       | 66.78               | -125.36         | -55.20         | 11.96            |                 |
| 7270.00      | 21.000             | 238.200        | 7264.58       | 75.82               | -130.84         | -63.76         | 12.09            |                 |
| 7300.00      | 24.700             | 239.600        | 7292.22       | 86.32               | -136.84         | -73.74         | 12.46            |                 |
| 7332.00      | 28.900             | 241.400        | 7320.78       | 99.49               | -143.93         | -86.30         | 13.37            |                 |
| 7364.00      | 33.400             | 242.800        | 7348.15       | 114.79              | -151.66         | -100.93        | 14.24            |                 |
| 7396.00      | 38.100             | 243.500        | 7374.12       | 132.19              | -160.10         | -117.61        | 14.74            |                 |
| 7428.00      | 42.600             | 245.200        | 7398.50       | 151.63              | -169.05         | -136.29        | 14.48            |                 |
| 7460.00      | 47.200             | 247.000        | 7421.16       | 173.05              | -178.19         | -156.94        | 14.91            |                 |
| 7492.00      | 50.900             | 247.300        | 7442.13       | 196.10              | -187.57         | -179.21        | 11.58            |                 |
| 7524.00      | 54.300             | 246.600        | 7461.56       | 220.32              | -197.52         | -202.59        | 10.77            |                 |
| 7556.00      | 58.100             | 245.900        | 7479.36       | 245.56              | -208.23         | -226.93        | 12.01            |                 |
| 7587.00      | 61.600             | 244.500        | 7494.93       | 270.84              | -219.48         | -251.25        | 11.95            |                 |
| 7619.00      | 64.500             | 244.900        | 7509.43       | 297.66              | -231.67         | -277.04        | 9.13             |                 |
| 7651.00      | 68.400             | 245.200        | 7522.22       | 325.30              | -244.04         | -303.63        | 12.22            |                 |
| 7683.00      | 70.900             | 245.200        | 7533.34       | 353.60              | -256.62         | -330.87        | 7.81             |                 |
| 7713.00      | 71.100             | 244.200        | 7543.11       | 380.27              | -268.74         | -356.51        | 3.22             |                 |
| 7745.00      | 73.300             | 243.800        | 7552.89       | 408.79              | -282.10         | -383.89        | 6.98             |                 |
| 7777.00      | 76.900             | 244.200        | 7561.12       | 437.74              | -295.65         | -411.68        | 11.31            |                 |
| 7809.00      | 80.300             | 244.500        | 7567.44       | 467.16              | -309.23         | -439.96        | 10.66            |                 |
| 7841.00      | 81.300             | 244.500        | 7572.56       | 496.83              | -322.83         | -468.47        | 3.12             |                 |
| 7872.00      | 84.200             | 244.900        | 7576.47       | 525.74              | -335.97         | -496.27        | 9.44             |                 |
| 7885.00      | 85.700             | 245.900        | 7577.61       | 537.97              | -341.36         | -508.04        | 13.85            |                 |
| 7920.00      | 90.300             | 245.000        | 7578.84       | 571.01              | -355.89         | -539.85        | 13.39            |                 |
| 7952.00      | 90.700             | 244.200        | 7578.56       | 601.08              | -369.61         | -568.75        | 2.79             |                 |



# Actual Wellpath Report

#10H AWP

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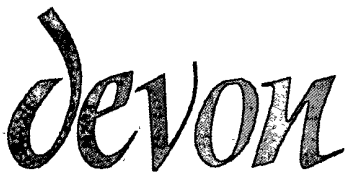
INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWP    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[%/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 7984.00      | 90.700             | 245.200        | 7578.17       | 631.17              | -383.29         | -597.68        | 3.12             |                 |
| 8016.00      | 90.900             | 245.900        | 7577.72       | 661.42              | -396.53         | -626.81        | 2.27             |                 |
| 8048.00      | 90.700             | 247.000        | 7577.27       | 691.82              | -409.32         | -656.14        | 3.49             |                 |
| 8080.00      | 90.900             | 248.000        | 7576.83       | 722.41              | -421.56         | -685.70        | 3.19             |                 |
| 8112.00      | 90.300             | 248.800        | 7576.49       | 753.14              | -433.34         | -715.45        | 3.12             |                 |
| 8144.00      | 90.100             | 249.800        | 7576.38       | 784.00              | -444.65         | -745.39        | 3.19             |                 |
| 8176.00      | 90.700             | 251.200        | 7576.15       | 815.04              | -455.33         | -775.55        | 4.76             |                 |
| 8207.00      | 91.200             | 252.600        | 7575.64       | 845.28              | -464.96         | -805.01        | 4.79             |                 |
| 8239.00      | 90.800             | 254.700        | 7575.08       | 876.69              | -473.97         | -835.71        | 6.68             |                 |
| 8271.00      | 90.500             | 256.800        | 7574.72       | 908.31              | -481.84         | -866.72        | 6.63             |                 |
| 8303.00      | 89.800             | 258.200        | 7574.64       | 940.06              | -488.77         | -897.96        | 4.89             |                 |
| 8335.00      | 88.600             | 260.000        | 7575.08       | 971.91              | -494.82         | -929.38        | 6.76             |                 |
| 8367.00      | 88.700             | 261.100        | 7575.84       | 1003.82             | -500.07         | -960.94        | 3.45             |                 |
| 8399.00      | 89.300             | 262.800        | 7576.39       | 1035.78             | -504.55         | -992.61        | 5.63             |                 |
| 8430.00      | 90.900             | 266.000        | 7576.34       | 1066.77             | -507.58         | -1023.46       | 11.54            |                 |
| 8462.00      | 92.000             | 268.100        | 7575.53       | 1098.73             | -509.22         | -1055.41       | 7.41             |                 |
| 8494.00      | 92.900             | 269.800        | 7574.16       | 1130.61             | -509.81         | -1087.37       | 6.01             |                 |
| 8526.00      | 93.500             | 271.600        | 7572.38       | 1162.38             | -509.42         | -1119.32       | 5.92             |                 |
| 8557.00      | 93.100             | 273.400        | 7570.59       | 1193.03             | -508.07         | -1150.23       | 5.94             |                 |
| 8589.00      | 92.900             | 276.500        | 7568.92       | 1224.46             | -505.31         | -1182.07       | 9.69             |                 |
| 8621.00      | 92.200             | 278.300        | 7567.49       | 1255.63             | -501.19         | -1213.77       | 6.03             |                 |
| 8653.00      | 92.500             | 280.400        | 7566.18       | 1286.55             | -496.00         | -1245.31       | 6.62             |                 |
| 8685.00      | 92.200             | 282.100        | 7564.87       | 1317.18             | -489.76         | -1276.67       | 5.39             |                 |
| 8716.00      | 91.000             | 281.800        | 7564.00       | 1346.75             | -483.35         | -1306.99       | 3.99             |                 |
| 8748.00      | 89.400             | 280.700        | 7563.89       | 1377.41             | -477.10         | -1338.37       | 6.07             |                 |



# Actual Wellpath Report

#10H AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H_AWB    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[°/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 8780.00      | 88.600             | 280.000        | 7564.45       | 1408.20             | -471.36         | -1369.85       | 3.32             |                 |
| 8811.00      | 87.800             | 278.300        | 7565.42       | 1438.19             | -466.43         | -1400.43       | 6.06             |                 |
| 8843.00      | 86.900             | 276.200        | 7566.90       | 1469.37             | -462.40         | -1432.14       | 7.13             |                 |
| 8875.00      | 86.700             | 275.100        | 7568.69       | 1500.73             | -459.25         | -1463.94       | 3.49             |                 |
| 8907.00      | 87.600             | 274.400        | 7570.28       | 1532.19             | -456.60         | -1495.79       | 3.56             |                 |
| 8939.00      | 88.500             | 273.700        | 7571.37       | 1563.73             | -454.34         | -1527.69       | 3.56             |                 |
| 8971.00      | 88.900             | 273.600        | 7572.10       | 1595.32             | -452.31         | -1559.62       | 1.29             |                 |
| 9003.00      | 89.200             | 273.400        | 7572.63       | 1626.93             | -450.35         | -1591.55       | 1.13             |                 |
| 9035.00      | 89.700             | 272.700        | 7572.93       | 1658.58             | -448.65         | -1623.50       | 2.69             |                 |
| 9067.00      | 89.900             | 272.000        | 7573.04       | 1690.29             | -447.34         | -1655.48       | 2.28             |                 |
| 9098.00      | 90.300             | 272.300        | 7572.99       | 1721.02             | -446.18         | -1686.45       | 1.61             |                 |
| 9130.00      | 90.700             | 272.300        | 7572.71       | 1752.73             | -444.89         | -1718.43       | 1.25             |                 |
| 9162.00      | 90.800             | 272.300        | 7572.29       | 1784.44             | -443.61         | -1750.40       | 0.31             |                 |
| 9194.00      | 91.200             | 272.000        | 7571.73       | 1816.15             | -442.41         | -1782.37       | 1.56             |                 |
| 9226.00      | 91.500             | 271.600        | 7570.98       | 1847.89             | -441.40         | -1814.35       | 1.56             |                 |
| 9258.00      | 90.800             | 271.600        | 7570.34       | 1879.65             | -440.51         | -1846.33       | 2.19             |                 |
| 9289.00      | 90.700             | 270.900        | 7569.93       | 1910.43             | -439.83         | -1877.32       | 2.28             |                 |
| 9321.00      | 91.500             | 271.600        | 7569.32       | 1942.21             | -439.14         | -1909.30       | 3.32             |                 |
| 9417.00      | 90.200             | 271.300        | 7567.89       | 2037.51             | -436.71         | -2005.26       | 1.39             |                 |
| 9511.00      | 89.200             | 271.600        | 7568.39       | 2130.84             | -434.33         | -2099.23       | 1.11             |                 |
| 9607.00      | 90.000             | 271.600        | 7569.06       | 2226.11             | -431.65         | -2195.19       | 0.83             |                 |
| 9703.00      | 90.600             | 272.000        | 7568.55       | 2321.35             | -428.63         | -2291.14       | 0.75             |                 |
| 9798.00      | 89.900             | 271.300        | 7568.14       | 2415.63             | -425.90         | -2386.10       | 1.04             |                 |
| 9894.00      | 93.100             | 272.300        | 7565.63       | 2510.82             | -422.88         | -2482.00       | 3.49             |                 |
| 9989.00      | 91.500             | 273.400        | 7561.81       | 2604.76             | -418.16         | -2576.80       | 2.04             |                 |



# Actual Wellpath Report

#10H AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWB    |
| Facility | Apache 25                     |          |             |

## WELLPATH DATA (166 stations)

| MD<br>[feet] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[feet] | Vert Sect<br>[feet] | North<br>[feet] | East<br>[feet] | DLS<br>[%/100ft] | Path<br>Comment |
|--------------|--------------------|----------------|---------------|---------------------|-----------------|----------------|------------------|-----------------|
| 10084.00     | 93.500             | 273.400        | 7557.67       | 2698.54             | -412.54         | -2671.54       | 2.11             |                 |
| 10180.00     | 93.000             | 273.700        | 7552.23       | 2793.22             | -406.60         | -2767.20       | 0.61             |                 |
| 10275.00     | 92.800             | 273.700        | 7547.42       | 2886.90             | -400.48         | -2861.88       | 0.21             |                 |
| 10339.00     | 91.600             | 272.700        | 7544.96       | 2950.13             | -396.91         | -2925.73       | 2.44             |                 |
| 10433.00     | 91.900             | 273.700        | 7542.09       | 3043.02             | -391.66         | -3019.54       | 1.11             |                 |
| 10529.00     | 90.600             | 272.700        | 7540.00       | 3137.91             | -386.31         | -3115.37       | 1.71             |                 |
| 10625.00     | 91.200             | 272.300        | 7538.49       | 3232.99             | -382.12         | -3211.26       | 0.75             |                 |
| 10720.00     | 90.200             | 271.600        | 7537.33       | 3327.20             | -378.89         | -3306.20       | 1.28             |                 |
| 10815.00     | 88.400             | 270.200        | 7538.49       | 3421.61             | -377.40         | -3401.17       | 2.40             |                 |
| 10910.00     | 89.700             | 270.200        | 7540.07       | 3516.14             | -377.06         | -3496.16       | 1.37             |                 |
| 10943.00     | 89.300             | 269.800        | 7540.35       | 3548.99             | -377.06         | -3529.16       | 1.71             |                 |
| 11038.00     | 89.800             | 268.800        | 7541.10       | 3643.66             | -378.22         | -3624.15       | 1.18             |                 |
| 11133.00     | 90.100             | 268.400        | 7541.18       | 3738.43             | -380.55         | -3719.12       | 0.53             |                 |
| 11228.00     | 90.400             | 269.100        | 7540.77       | 3833.18             | -382.62         | -3814.09       | 0.80             |                 |
| 11323.00     | 91.500             | 269.100        | 7539.19       | 3927.87             | -384.11         | -3909.07       | 1.16             |                 |
| 11420.00     | 92.500             | 269.100        | 7535.81       | 4024.51             | -385.63         | -4005.99       | 1.03             | Proj. to Bit    |



# Actual Wellpath Report

#10H AWP

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**BAKER  
HUGHES**

**INTEQ**

## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |             |
|----------|-------------------------------|----------|-------------|
| Operator | Devon Energy                  | Slot     | #10H_SHL    |
| Area     | Eddy County, NM               | Well     | Apache #10H |
| Field    | Section 25 T22S R30E (Apache) | Wellbore | #10H AWB    |
| Facility | Apache 25                     |          |             |

## TARGETS

| Name     | MD<br>[feet] | TVD<br>[feet] | North<br>[feet] | East<br>[feet] | Grid East<br>[us survey feet] | Grid North<br>[us survey feet] | Latitude<br>[°] | Longitude<br>[°] | Shape  |
|----------|--------------|---------------|-----------------|----------------|-------------------------------|--------------------------------|-----------------|------------------|--------|
| #2 SHL   |              | 0.00          | -150.00         | -400.00        | 696810.88                     | 494220.03                      | 32 21 27.634N   | 103 49 47.371W   | circle |
| #10H BHL |              | 7555.00       | -382.63         | -4038.49       | 693172.62                     | 493987.42                      | 32 21 25.500N   | 103 50 29.800W   | point  |

## WELLPATH COMPOSITION Ref Wellbore: #10H AWB Ref Wellpath: #10H AWP

| Start MD<br>[feet] | End MD<br>[feet] | Positional Uncertainty Model           | Log Name/Comment | Wellbore |
|--------------------|------------------|----------------------------------------|------------------|----------|
| 0.00               | 6790.00          | Generic gyro - northseeking (Standard) | Gyro             | #10H AWB |
| 6790.00            | 11420.00         | NaviTrak (Standard)                    | MWD              | #10H AWB |

devon

# Devon Energy

Location: Eddy County, NM  
Field: Section 25 T22S R30E (Apache)  
Facility: Apache 25

Sid: #10H\_SHL  
Well: Apache #10H  
Wellbore: #10H\_AWB

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|                                                            |                                                                               |
|------------------------------------------------------------|-------------------------------------------------------------------------------|
| File reference: #10H_AWB                                   | Site System: BAPIG / The New Mexico State Plane, Eastern Zone, NAD83, US Feet |
| True vertical depth: as referenced to Rig as #10H_SHL (RT) | North Reference: Grid North                                                   |
| Measured depth: as referenced to Rig as #10H_SHL (RT)      | Scale: True distance                                                          |
| Rig as #10H_SHL (RT) to Mean Sea Level: 8 feet             | Depth: as is feet                                                             |
| Mean Sea Level to Mean Sea Level: Apache 25: 0 feet        | Created by: geoscan on 8/2/2009                                               |
| Coordinates: as is feet referenced to BSL                  |                                                                               |

