

OCD-ARTESIA



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 28 2008

FORM APPROVED  
OMB NO 1004-0137  
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD-ARTESIA

|                                                                                                                                                                                                                                                                                                                       |                                                                                                   |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------|---------------------|---------------------------------------------------|--------------------|------------------------------------------------------|----------------------|-------------------|-------------------|
| a Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other                                                                                                                                                             |                                                                                                   |                                    |                     |                                                   |                    | 5 Lease Serial No<br>NM-0375257-A                    |                      |                   |                   |
| b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resrv, Other _____                                                                                              |                                                                                                   |                                    |                     |                                                   |                    | 6 If Indian, Allottee or Tribe Name                  |                      |                   |                   |
| 2 Name of Operator<br>Devon Energy Production Co., LP                                                                                                                                                                                                                                                                 |                                                                                                   |                                    |                     |                                                   |                    | 7 Unit or CA Agreement Name and No                   |                      |                   |                   |
| 3 Address 20 North Broadway<br>OKC, OK 73102                                                                                                                                                                                                                                                                          |                                                                                                   |                                    |                     | 3a Phone No (include area code)<br>(405)-552-7802 |                    | 8 Lease Name and Well No<br>Avalon Hills 7 Fed Com 4 |                      |                   |                   |
| 1 Location of Well (Report location clearly and in accordance with Federal requirements)*<br>SL. 460' FSL & 360' FEL<br>At surface<br>PP 952' FSL & 682' FEL<br>At top prod interval reported below<br>At total depth ABHL 952' FSL & 682' FEL                                                                        |                                                                                                   |                                    |                     |                                                   |                    | 9 AFI Well No<br>30-015-35583                        |                      |                   |                   |
| 14 Date Spudded<br>06/07/2007                                                                                                                                                                                                                                                                                         |                                                                                                   |                                    |                     |                                                   |                    | 15 Date T D Reached<br>09/23/2007                    |                      |                   |                   |
| 16 Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod                                                                                                                                                                                                                 |                                                                                                   |                                    |                     |                                                   |                    | 17 Elevations (DF, RKB, RT, GL)*<br>3232' GL         |                      |                   |                   |
| 18 Total Depth MD<br>TVD 11,560'                                                                                                                                                                                                                                                                                      |                                                                                                   | 19 Plug Back T D MD<br>TVD 11,290' |                     | 20 Depth Bridge Plug Set MD<br>TVD                |                    | 12 County or Parish<br>Eddy                          |                      |                   |                   |
| 21 Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>AIT_MCFL_GR, IND, BHC, CNL, GR, TVD                                                                                                                                                                                                             |                                                                                                   |                                    |                     |                                                   |                    | 13 State<br>NM                                       |                      |                   |                   |
| 22 Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Cement Depth | No of Sks & Type of Cement                           | Slurry Vol (BBL)     | Cement Top*       | Amount Pulled     |
| 17 1/2"                                                                                                                                                                                                                                                                                                               | 13 3/8" J-55                                                                                      | 54.5#                              |                     | 631'                                              |                    | 375 sx CI C                                          |                      |                   |                   |
| 12 1/4"                                                                                                                                                                                                                                                                                                               | 9 5/8" J-55                                                                                       | 40#                                |                     | 2600'                                             |                    | 1300 sx CI C                                         |                      |                   | 135 sx to res pit |
| 8 3/4"                                                                                                                                                                                                                                                                                                                | 7" P-110                                                                                          | 26#                                |                     | 10055'                                            |                    | 1500 sx CI C                                         |                      |                   | 135 sx to res pit |
| 6 1/8"                                                                                                                                                                                                                                                                                                                | 4 1/2" P-110                                                                                      | 11 6#                              |                     | 11560'                                            |                    | 150 sx CI C                                          |                      | TOC @ 7,667'      |                   |
| 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 3/8"                                                                                                                                                                                                                                                                                                                | 11,200'                                                                                           |                                    |                     |                                                   | RBP @ 11,415'      |                                                      |                      |                   |                   |
| 25 Producing Intervals                                                                                                                                                                                                                                                                                                |                                                                                                   |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| Formation                                                                                                                                                                                                                                                                                                             | Top                                                                                               | Bottom                             | Perforated Interval | Size                                              | No Holes           | Perf Status                                          |                      |                   |                   |
| A) Morrow                                                                                                                                                                                                                                                                                                             | 11436                                                                                             | 11517                              | 11436-11517'        |                                                   | 36                 | CIBP @ 11,400'                                       |                      |                   |                   |
| B) Morrow                                                                                                                                                                                                                                                                                                             | 11354                                                                                             | 11406                              | 11354-11406'        |                                                   | 24                 | CIBP @ 11,325'                                       |                      |                   |                   |
| C) Morrow                                                                                                                                                                                                                                                                                                             | 11211                                                                                             | 11277                              | 11211-11277'        |                                                   | 32                 | Producing                                            |                      |                   |                   |
| D)                                                                                                                                                                                                                                                                                                                    |                                                                                                   |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 26 Perforation Record                                                                                                                                                                                                                                                                                                 |                                                                                                   |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| Depth Interval                                                                                                                                                                                                                                                                                                        | Amount and Type of Material                                                                       |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 11436-11517                                                                                                                                                                                                                                                                                                           | Acidize w/15% gal 7 1/2% acid w/methanol + 125 bll slrs.                                          |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 11354-11406                                                                                                                                                                                                                                                                                                           | Acidize w/3000 gal 7 1/2% acid + 48 bll slrs.                                                     |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 11211-11277                                                                                                                                                                                                                                                                                                           | Acidize w/3000 gal 7 1/2% acid + 100 bll slrs. Frac w/66 tons of CO2, 291,575 SCE N2, 54,000# sn. |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 27 Acid, Fracture, Treatment, Cement Squeeze, etc                                                                                                                                                                                                                                                                     |                                                                                                   |                                    |                     |                                                   |                    |                                                      |                      |                   |                   |
| 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 |
| 11/19/07                                                                                                                                                                                                                                                                                                              | 11/19/07                                                                                          | 24                                 | →                   | 0                                                 | 220                | 11                                                   |                      |                   | Flowing           |
| Choke Size                                                                                                                                                                                                                                                                                                            | Tbg Press Flwg SI                                                                                 | Csg Press                          | 24 Hr Rate          | Oil BBL                                           | Gas MCF            | Water BBL                                            | Gas/Oil Ratio        | Well Status       |                   |
| 17/64"                                                                                                                                                                                                                                                                                                                | 560                                                                                               | 0                                  | →                   |                                                   |                    |                                                      |                      | Producing         |                   |
| 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 page 2)

ACCEPTED FOR RECORD

FEB 21 2008

LES Badyak  
PETROLEUM ENGINEER

## 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          | Tbg Press 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          | Tbg Press Flwg SI | Csg Press    | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio        | Well Status |                   |
|                     |                   |              | →               |         |         |           |                      |             |                   |

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

## 30 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       |
|           |     |        |                             | Delaware<br>Delaware Ss                | 2600'<br>2730'   |
|           |     |        |                             | Bone Springs Lm<br>2nd Bone Springs Lm | 4862'<br>6478'   |
|           |     |        |                             | 3rd Bone Springs Ss<br>Wolfcamp        | 8410'<br>8790'   |
|           |     |        |                             | Penn<br>Strawn                         | 9186'<br>10106'  |
|           |     |        |                             | Atoka<br>Morrow                        | 10350'<br>10912' |
|           |     |        |                             | Lower Morrow<br>Barnett                | 11340'<br>11520' |

## 32 Additional remarks (include plugging procedure)

## 33 Indicate which items have been attached by placing a check in the appropriate boxes

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

## 34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Stephanie A. YsasagaTitle Sr. Staff Engineering TechnicianSignature [Signature]Date 11/15/2007

Title 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

(Continued on page 3)

(Form 3160-4, page 2)

**DEVON ENERGY PRODUCTION COMPANY LP**

|                                     |                                  |                           |                            |
|-------------------------------------|----------------------------------|---------------------------|----------------------------|
| Well Name: AVALON HILLS 7 FED COM 4 |                                  | Field BURTON FLAT, MORROW |                            |
| Location 460' FSL & 360' FEL        |                                  | County. EDDY              | State NM                   |
| Elevation: 3232' KB; 3211' GL       |                                  | Spud Date. 6/1/07         | Compl Date.                |
| API# 30-015-35583                   | Prepared by. Stephanie A Ysasaga | Date. 9/5/07              | Rev 11/21/07--Ronnie Slack |

17-1/2" hole  
13-3/8", 54 5#, J-55, ST&C, @ 630'  
 Cmt'd w/900 CI C & H sx to surf  
 TOC @ 30' Temp survey

12-1/4" hole  
9-5/8", 40#, J55, LT&C, @ 2600'  
 Cmt'd w/1300 CI H sx to surf

7" DV tool @ 6013'

TOC @ 7667' (CBL-10/25/07)

8 3/4" hole  
7", 26#, P-110HC, LT&C, @ 10055'  
 Cmt'd w/1595 sx CI H & CI C  
 Calc TOC @ 2400'

100 Sx CI H cmt plug 10188'-10853'

6 1/8" open hole @ 10055-11622' →

Drill Pipe TOF @ 10,853' →

2-3/8" Production tubing. EOT @ 11200' (11/10/07)

| <u>DIMS Deviation Survey</u> |                      |
|------------------------------|----------------------|
| 1000'                        | @ 1 28°              |
| 2000'                        | @ 1 34°              |
| 3000'                        | @ 65°                |
| 4000'                        | @ 1 4°               |
| 5000'                        | @ 1 12°              |
| 6000'                        | @ 87°                |
| 6825'                        | @ 4 5°               |
| 7142'                        | @ 11 10° , 7137' TVD |
| 7269'                        | @ 12 2°              |
| 7523'                        | @ 11 7°              |
| 8029'                        | @ 11 8°              |
| 8520'                        | @ 11 3°              |
| 9026'                        | @ 10 5° , 8986' TVD  |
| 9407'                        | @ 7 8°               |
| 9724'                        | @ 5 4°               |
| 9994'                        | @ 2 6°               |
| 10055'                       | @ 1 0°               |
| 10620'                       | @ 2 1°               |
| 10715'                       | @ 3 5°               |
| 10874'                       | @ 3 3°               |
| 11096'                       | @ 4 0° , 11046' TVD  |

Tag/Ream cement plug @ 10,188'

Time drill /ST around fish @ 10,619'

Morrow (11/2/07)

11211' - 11217'; 11273'-11277'

11/3/07 acidized 11211-277, 11/7/07-fraced 11211-217'

CIBP @ 11325' W/35' cmt (11/2/07)

Morrow (10/31/07)

11354'-11358'; 11400-11402; 11404'-11406

11/1/07 acidized 11354-11406 w/3000 gals 7 5%

CIBP @ 11400' (11/2/07) RBP @ 11415' (10/31/07)

Morrow (10/26/07)

11436'-11439; 11504-11508; 11512-11517

10/30/07 acidized 11436-11517 w/1500 gals 7 5%

4-1/2", 11 6#, P110H, LTC, @ 11,557'

Cmt'd w/150 Sx

TD @ 11,560'

TD @ 11,622'



**Scientific Drilling**

**Scientific Drilling International, Inc.**

2034 Trade Drive • Midland, Texas 79706

P. O. Box 9699 • Midland, Texas 79708

Tel: 432-563-1339 • Fax: 432-697-0324

**23 August 2007**

**Don Jennings  
Devon Energy  
P.O. Box 1678  
Oklahoma City, OK 73101**

**Subject: Avalon Hills 7 Federal Com #4**

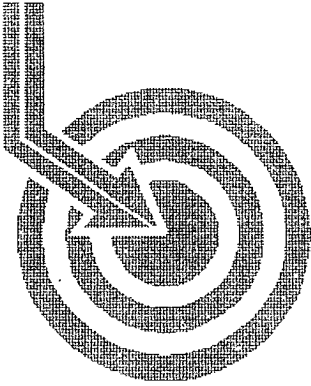
Mr. Jennings,

Enclosed are two original notarized surveys for the above referenced well, for your records and/or OCD reports. If you have any questions, please let me know.

Regards,

Becky Wharton

Enclosures



# Scientific Drilling

## DEVON ENERGY

Field: Burton Flat  
Site: Eddy County, NM  
Well: Avalon Hills 7 Federal Com #4  
Wellpath: VH - Job #32K0707634  
Survey: 07/26/07

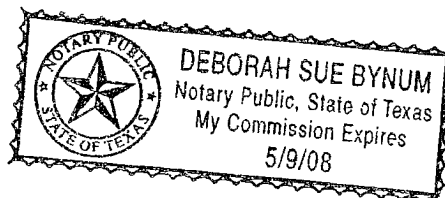
This survey is correct to the best of my knowledge  
and is supported by actual field data.

Deborah Sue Bynum.....Company Representative

Notorized this date 23rd of August, 2007.

Deborah Sue Bynum

Notary Signature  
County of Midland  
State of Texas





Scientific  
Drilling

# Scientific Drilling International

## Survey Report

Company: DEVON ENERGY

Field: Burton Flat

Site: Eddy County, NM

Well: Avalon Hills 7 Federal Com #4

Wellpath: VH - Job #32K0707634

Date: 08/22/2007

Time: 21:53:09

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,326.97Azi)

Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/26/07

Start Date:

07/26/2007

KSRG 0'-6373'

Company: Scientific Drilling Internatio

Engineer:

Madrid w/GeoGyro

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        | 359.94      | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.71        | 342.39      | 100.00    | 0.60     | 0.59      | -0.19     | 0.71             | 0.62       | 342.39      |
| 200.00   | 0.31        | 322.98      | 199.99    | 1.46     | 1.40      | -0.54     | 0.43             | 1.50       | 338.95      |
| 300.00   | 0.68        | 295.02      | 299.99    | 2.24     | 1.86      | -1.24     | 0.43             | 2.24       | 326.40      |
| 400.00   | 1.01        | 268.14      | 399.98    | 3.20     | 2.09      | -2.66     | 0.51             | 3.38       | 308.14      |
| 500.00   | 1.18        | 259.59      | 499.96    | 4.05     | 1.87      | -4.55     | 0.24             | 4.92       | 292.36      |
| 600.00   | 1.00        | 260.26      | 599.94    | 4.79     | 1.54      | -6.42     | 0.18             | 6.60       | 283.47      |
| 700.00   | 0.97        | 252.71      | 699.93    | 5.37     | 1.14      | -8.09     | 0.13             | 8.17       | 278.01      |
| 800.00   | 0.98        | 255.65      | 799.91    | 5.87     | 0.68      | -9.73     | 0.05             | 9.75       | 273.97      |
| 900.00   | 1.15        | 255.61      | 899.90    | 6.46     | 0.21      | -11.53    | 0.17             | 11.53      | 271.06      |
| 1000.00  | 1.28        | 260.30      | 999.87    | 7.23     | -0.22     | -13.60    | 0.16             | 13.60      | 269.06      |
| 1100.00  | 1.25        | 256.98      | 1099.85   | 8.04     | -0.66     | -15.77    | 0.08             | 15.78      | 267.61      |
| 1200.00  | 1.19        | 271.31      | 1199.83   | 9.00     | -0.88     | -17.87    | 0.31             | 17.89      | 267.18      |
| 1300.00  | 1.79        | 267.81      | 1299.79   | 10.39    | -0.92     | -20.47    | 0.61             | 20.49      | 267.44      |
| 1400.00  | 2.08        | 272.77      | 1399.74   | 12.25    | -0.89     | -23.84    | 0.33             | 23.85      | 267.87      |
| 1500.00  | 1.90        | 270.27      | 1499.68   | 14.22    | -0.79     | -27.31    | 0.20             | 27.32      | 268.34      |
| 1600.00  | 1.70        | 269.95      | 1599.63   | 15.94    | -0.79     | -30.45    | 0.20             | 30.46      | 268.52      |
| 1700.00  | 1.57        | 264.71      | 1699.59   | 17.38    | -0.91     | -33.30    | 0.20             | 33.31      | 268.43      |
| 1800.00  | 1.43        | 266.85      | 1799.55   | 18.64    | -1.11     | -35.91    | 0.15             | 35.92      | 268.23      |
| 1900.00  | 1.24        | 263.18      | 1899.52   | 19.74    | -1.30     | -38.23    | 0.21             | 38.25      | 268.04      |
| 2000.00  | 1.34        | 264.24      | 1999.50   | 20.76    | -1.55     | -40.47    | 0.10             | 40.49      | 267.81      |
| 2100.00  | 1.49        | 264.66      | 2099.47   | 21.90    | -1.79     | -42.92    | 0.15             | 42.96      | 267.61      |
| 2200.00  | 1.17        | 262.70      | 2199.44   | 22.94    | -2.04     | -45.23    | 0.32             | 45.28      | 267.42      |
| 2300.00  | 1.03        | 262.85      | 2299.42   | 23.78    | -2.28     | -47.13    | 0.14             | 47.19      | 267.23      |
| 2400.00  | 1.15        | 257.57      | 2399.40   | 24.52    | -2.61     | -49.01    | 0.16             | 49.08      | 266.95      |
| 2500.00  | 0.84        | 257.60      | 2499.39   | 25.14    | -2.98     | -50.70    | 0.31             | 50.79      | 266.63      |
| 2600.00  | 0.70        | 270.86      | 2599.38   | 25.73    | -3.13     | -52.03    | 0.23             | 52.12      | 266.56      |
| 2700.00  | 0.71        | 260.32      | 2699.37   | 26.32    | -3.23     | -53.25    | 0.13             | 53.35      | 266.53      |
| 2800.00  | 0.74        | 259.73      | 2799.36   | 26.82    | -3.45     | -54.50    | 0.03             | 54.61      | 266.38      |
| 2900.00  | 0.60        | 270.10      | 2899.36   | 27.35    | -3.56     | -55.66    | 0.18             | 55.77      | 266.34      |
| 3000.00  | 0.65        | 259.06      | 2999.35   | 27.85    | -3.67     | -56.74    | 0.13             | 56.85      | 266.30      |
| 3100.00  | 0.49        | 275.34      | 3099.35   | 28.33    | -3.73     | -57.72    | 0.23             | 57.84      | 266.30      |
| 3200.00  | 0.72        | 254.21      | 3199.34   | 28.78    | -3.87     | -58.75    | 0.32             | 58.88      | 266.24      |
| 3300.00  | 0.45        | 281.99      | 3299.34   | 29.25    | -3.95     | -59.74    | 0.38             | 59.87      | 266.21      |
| 3400.00  | 0.52        | 291.18      | 3399.33   | 29.89    | -3.71     | -60.55    | 0.10             | 60.66      | 266.49      |
| 3500.00  | 0.48        | 280.77      | 3499.33   | 30.55    | -3.47     | -61.38    | 0.10             | 61.48      | 266.77      |
| 3600.00  | 0.62        | 333.07      | 3599.32   | 31.38    | -2.91     | -62.04    | 0.50             | 62.10      | 267.32      |
| 3700.00  | 0.72        | 343.97      | 3699.32   | 32.52    | -1.82     | -62.45    | 0.16             | 62.48      | 268.33      |
| 3800.00  | 0.62        | 5.88        | 3799.31   | 33.54    | -0.68     | -62.57    | 0.27             | 62.58      | 269.38      |
| 3900.00  | 1.01        | 4.99        | 3899.30   | 34.65    | 0.74      | -62.44    | 0.39             | 62.45      | 270.68      |
| 4000.00  | 1.40        | 359.23      | 3999.28   | 36.38    | 2.84      | -62.38    | 0.41             | 62.45      | 272.60      |
| 4100.00  | 1.17        | 354.97      | 4099.25   | 38.32    | 5.08      | -62.49    | 0.25             | 62.69      | 274.64      |
| 4200.00  | 1.31        | 355.91      | 4199.23   | 40.22    | 7.23      | -62.66    | 0.14             | 63.07      | 276.59      |
| 4300.00  | 1.37        | 354.29      | 4299.20   | 42.28    | 9.56      | -62.86    | 0.07             | 63.58      | 278.65      |
| 4400.00  | 1.34        | 1.83        | 4399.17   | 44.30    | 11.92     | -62.94    | 0.18             | 64.06      | 280.73      |
| 4500.00  | 1.33        | 354.65      | 4499.15   | 46.29    | 14.25     | -63.01    | 0.17             | 64.60      | 282.74      |
| 4600.00  | 1.41        | 352.60      | 4599.12   | 48.43    | 16.62     | -63.28    | 0.09             | 65.42      | 284.72      |
| 4700.00  | 1.29        | 0.48        | 4699.09   | 50.47    | 18.97     | -63.43    | 0.22             | 66.20      | 286.65      |
| 4800.00  | 1.45        | 354.54      | 4799.06   | 52.53    | 21.35     | -63.54    | 0.21             | 67.03      | 288.58      |



Scientific  
Drilling

# Scientific Drilling International

## Survey Report

Company: DEVON ENERGY

Field: Burton Flat

Site: Eddy County, NM

Well: Avalon Hills 7 Federal Com #4

Wellpath: VH - Job #32K0707634

Date: 08/22/2007

Time: 21:53:09

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,326.97Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

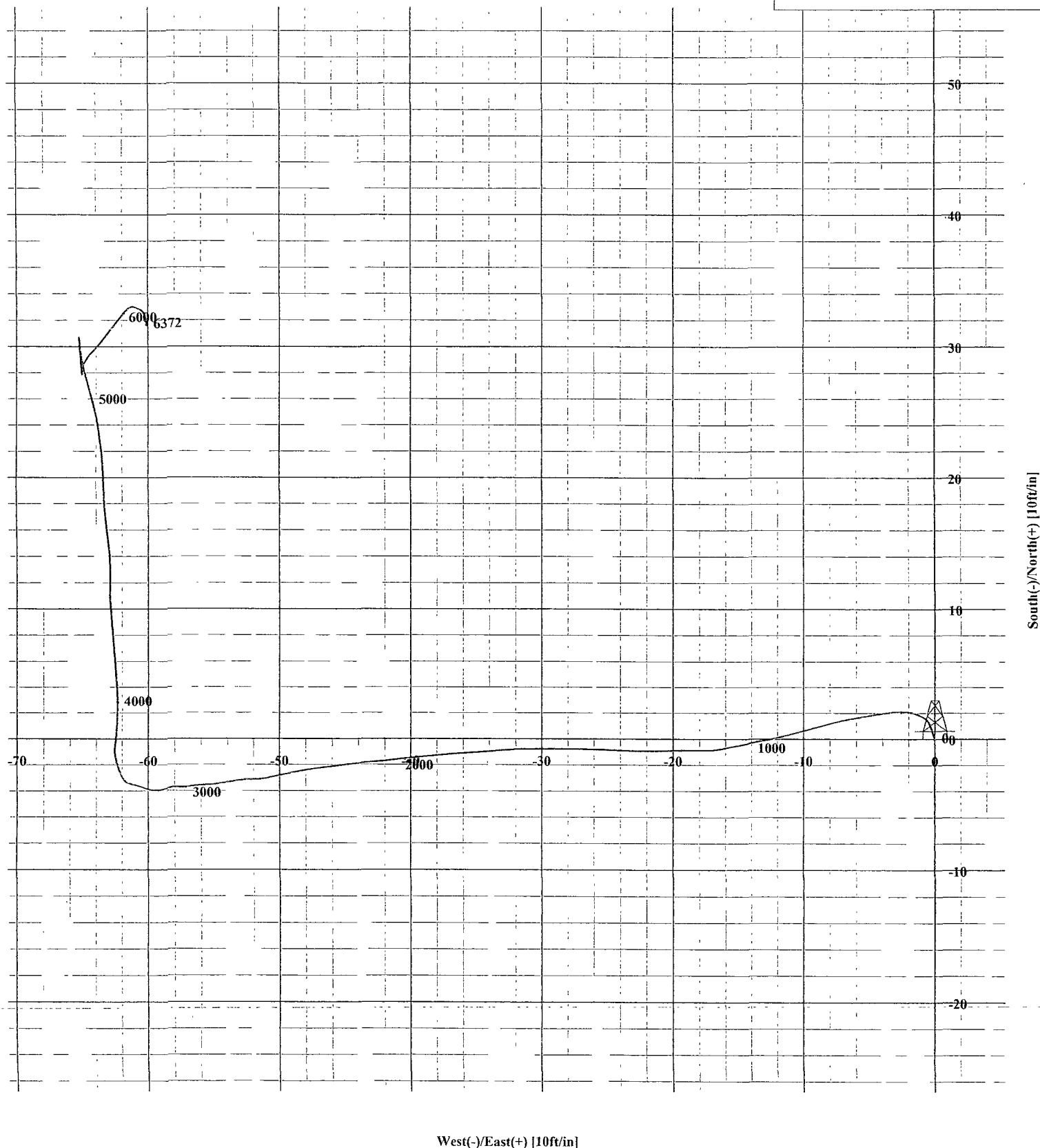
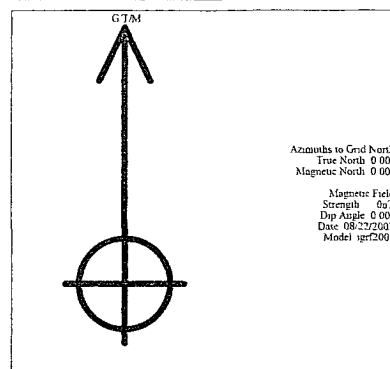
### Survey

| 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 | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4900.00  | 1.30        | 350.92      | 4899.03   | 54.69    | 23.73     | -63.84    | 0.17             | 68.11      | 290.39      |
| 5000.00  | 1.12        | 344.66      | 4999.01   | 56.66    | 25.79     | -64.27    | 0.22             | 69.26      | 291.87      |
| 5100.00  | 1.00        | 344.62      | 5098.99   | 58.42    | 27.58     | -64.76    | 0.12             | 70.39      | 293.07      |
| 5200.00  | 0.78        | 350.41      | 5198.98   | 59.88    | 29.09     | -65.11    | 0.24             | 71.31      | 294.08      |
| 5300.00  | 0.85        | 356.76      | 5298.97   | 61.15    | 30.50     | -65.26    | 0.11             | 72.04      | 295.05      |
| 5400.00  | 2.17        | 175.93      | 5398.95   | 60.13    | 29.35     | -65.17    | 3.02             | 71.48      | 294.25      |
| 5500.00  | 0.57        | 357.82      | 5498.93   | 58.90    | 27.96     | -65.06    | 2.74             | 70.81      | 293.26      |
| 5600.00  | 0.49        | 29.77       | 5598.93   | 59.53    | 28.83     | -64.86    | 0.30             | 70.98      | 293.96      |
| 5700.00  | 0.45        | 45.98       | 5698.93   | 59.80    | 29.47     | -64.37    | 0.14             | 70.80      | 294.60      |
| 5800.00  | 0.62        | 39.20       | 5798.92   | 60.04    | 30.17     | -63.74    | 0.18             | 70.52      | 295.33      |
| 5900.00  | 0.98        | 38.30       | 5898.91   | 60.48    | 31.26     | -62.87    | 0.36             | 70.21      | 296.43      |
| 6000.00  | 0.87        | 39.09       | 5998.90   | 60.98    | 32.52     | -61.86    | 0.11             | 69.89      | 297.73      |
| 6100.00  | 0.34        | 110.70      | 6098.90   | 60.98    | 33.00     | -61.11    | 0.83             | 69.45      | 298.37      |
| 6200.00  | 0.27        | 110.61      | 6198.89   | 60.55    | 32.81     | -60.61    | 0.07             | 68.92      | 298.43      |
| 6300.00  | 0.43        | 159.04      | 6298.89   | 59.99    | 32.38     | -60.25    | 0.32             | 68.40      | 298.25      |
| 6373.00  | 0.71        | 174.32      | 6371.89   | 59.32    | 31.68     | -60.11    | 0.43             | 67.95      | 297.79      |



Scientific  
Drilling

Field: Burton Flat  
Site: Eddy County, NM  
Well: Avalon Hills 7 Federal Com #4  
Wellpath: VH - Job #32K0707634  
Survey: 07/26/07



## INCLINATION REPORT

DATE: 11/6/07

WELL NAME : AVALON FED COM 4

LOCATION: Section 7, T21S, R27E

OPERATOR: DEVON

DRILLING CONTRACTOR: GREY WOLF DRILLING COMPANY, LP  
RIG 33

I, Marshall Hornsby, do hereby certify, that the following inclination report was prepared in the office of GREY WOLF DRILLING COMPANY, LP in Midland, Texas, under my supervision, from records of said well, and is true and correct to the best of my knowledge:

| DEGREE | DEPTH  | DEGREE | DEPTH  | DEGREE | DEPTH   | DEGREE | DEPTH |
|--------|--------|--------|--------|--------|---------|--------|-------|
| 1.00   | @ 329  | 1.00   | @ 5381 | 10.60  | @ 9153  |        |       |
| 4.00   | @ 940  | 1.50   | @ 5856 | 9.20   | @ 9280  |        |       |
| 1.50   | @ 1169 | 1.50   | @ 6332 | 6.70   | @ 9660  |        |       |
| 1.00   | @ 1201 | 1.70   | @ 6761 | 3.61   | @ 9787  |        |       |
| 2.75   | @ 1411 | 4.50   | @ 6825 | 3.00   | @ 9913  |        |       |
| 2.50   | @ 1665 | 8.70   | @ 7015 | 2.80   | @ 9977  |        |       |
| 2.00   | @ 1824 | 9.70   | @ 7079 | 3.20   | @ 10684 |        |       |
| 1.75   | @ 2014 | 12.20  | @ 7206 | 3.30   | @ 10747 |        |       |
| 1.75   | @ 2268 | 11.50  | @ 7460 | 3.20   | @ 10830 |        |       |
| 1.75   | @ 2590 | 10.40  | @ 7886 | 3.40   | @ 10906 |        |       |
| 1.50   | @ 2807 | 11.70  | @ 8013 | 3.70   | @ 10938 |        |       |
| 1.75   | @ 3379 | 11.30  | @ 8518 | 4.00   | @ 11033 |        |       |
| .25    | @ 3854 | 11.70  | @ 8772 | 4.30   | @ 11064 |        |       |
| 1.50   | @ 4364 | 10.20  | @ 8963 | 4.00   | @ 11096 |        |       |
| 1.00   | @ 4900 | 10.70  | @ 9089 | 3.50   | @ 11545 |        |       |

Drilling Contractor:  
Grey Wolf Drilling Company, LP

By:

Marshall Hornsby  
Marshall Hornsby

Subscribed and sworn to before me on this 6 day of November, 2007

My Commission Expires: 11/18/09

By:

Karina Rubio

Notary Public

