

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT---" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil    ☒ Gas    ☐ Other

2. Name of Operator  
D.J. Simmons Co.

3. Address and Telephone No.  
1009 Ridgeway Place, Suite 200, Farmington NM 87401 (505) 326-3753

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Surface Location: 1980' FNL x 990' FWL, Section 24, T29N, R9W  
BHL: 725' FNL x 1804' FWL, Section 24, T29N, R9W

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
SF080000 -A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Simmons E3C

9. API Well No.  
30-045-30650

10. Field and Pool, or Exploratory Area  
Blanco Mesa Verde

11. County or Parish, State  
San Juan County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                                  |                                                  |
|-------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Abandonment                            | <input type="checkbox"/> Change of Plans         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion                           | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back                          | <input type="checkbox"/> Non-Routine Fracturing  |
|                                                       | <input type="checkbox"/> Casing Repair                          | <input type="checkbox"/> Water Shut-Off          |
|                                                       | <input type="checkbox"/> Altering Casing                        | <input type="checkbox"/> Conversion to Injection |
|                                                       | <input checked="" type="checkbox"/> Other Completion Operations | <input type="checkbox"/> Dispose Water           |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)\*

Completion operations reports from 12/14/01 – 01/07/02 are attached.

14. I hereby certify that the foregoing is true and correct

Signed Robert R. Griffie Title Operations Manager Date: 01/22/01

Robert R. Griffie

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**Simmons E3C  
Completion Reports**

12/14/01

MIRU DJS Rig 111

12/15/01

Ru floor, NU BOPE. TIH, slm, with bit, bit sub and 178 jts of 2 3/8 tubing. Tag cement at 5738'. TOH 10 stds. SDFN.

12/17/01

RU pump, TIH and tag cement @ 5738'. Clean out to 5742'. Circ hole clean. TOH, lay down bit. SDFN.

12/18/01

RU Blue Jet. Ran CBL, top of good cement at 3060', stringers above at least to top of log at 2725'. to log w/ Blue jet. Run CBL & GSL. RD Blue jet. Travel in. SDFN

12/19/01

RU Blue Jet. Perforate first stage with one hole each at 5274', 5267', 5254', 5250', 5241', 5239', 5224', 5218', 5215', 5210', 5195', 5193', 5189', 5184', 5181', 5178', 5162', 5037', 4997', 4985', 4981', 4973', 4957', 4953', and 4908' (25 holes). Inspect gun all 25 shots OK. RD Blue Jet. MU casing scraper & bit. Round trip same, no fill. Change tools to 2 7/8" tbg for frac. SDFN.

12/20, 12/21, 12/22, 12/23, 12/24, 12/25, 12/26/01

Standby for Frac.

rrg\SimmonsE3Ccompletionreports2.doc

D.J. Simmons, Inc.

(505) 326-3753

P.O. Box 1469  
3005 Northridge Dr.

Farmington, New Mexico 87499

87401

FAX (505) 327-4659

Page 1 of 3

11/11

**Simmons E3C  
Completion Reports**

12/27/01

PU 2 jts 2 7/8 tbg for Frac isolation. MU packer and set same at 64'. American Energy did not have correct x-over on location. LD packer and tbg. RU Stinger and American Energy. Break down perforations with 1500 gals 15% HCL and 30 balls at 11 bpm. No ball action, did not ball off. RU Blue Jet and ran junk basket. Recovered 20 balls with 10 hits. RU Stinger. Frac First Stage with 87,145.8 gals 3% KCL slick water and 112,720 lbs of 20/40 sand. Average rate 44 bpm at 1000 psi. ISIP = vacuum. RD Stinger. RU Blue Jet. Set Weatherford composite bridge plug @ 4800'. Pressure test plug to 3,950 psi. RU Blue Jet and perforate Second Stage as follows: 4664', 4660', 4654', 4650', 4647', 4643', 4641', 4636', 4634', 4617', 4613', 4610', 4573', 4570', 4563', 4561', 4556', 4554', 4514', and 4425' (20 holes). RU Blue Jet and ran junk basket. Did not land on composite bridge plug and did not recover balls. RU to frac Second Stage. Frac second stage with 134,400 gals 3% KCL slick water and 118,270 lbs of 20/40 sand, average rate 45 bpm at 2400 psi. ISIP = 760 psi. RD and SDFN.

12/28/01

Well on vacuum. RU floor & Blooie line. TIH with bit and 2 3/8" tubing. Tag sand @ 4,329'. Clean out to 4,450'. TOH 9 stands. SDFN.

12/29/01

SICP = 315 psi. Blow well down. TIH with 9 stands. Unload well, had 50' new fill. TOH with 6 stands. Repair air compressor. TIH. Clean out to 4,778'. TOH with 10 stands. SDFN.

12/30/01

SICP = 550 psi. Blow well down. TIH with 10 stands. Tag 30' new fill. Clean out to composite bridge plug. Drill plug in 36 min. Circ with air mist. TOH with 12 stands. RU to flow back overnight. Note: Report from flow back men @ 8:25 pm, 25' flare and water flowing at 7.8 bbls/hr, flowing natural.

11/4

**Simmons E3C  
Completion Reports**

12/31/01

SICP = 300 psi. Well logged off @ 3:00 am. TIH and tag sand at 5329'. Clean out to 5456' w/air & mist. TOH with 20 stands. RU for flowback overnight. SDFN.

1/2/02

SICP = 310 psi. Blow well down. TIH and tag sand at 5,320'. Clean out to 5,354'. TOH to 4,360'. Flow natural 3 hrs. Secure well, SDFN.

1/3/02

SICP = 325 psi. TIH. Tag sand at 5,424'. Clean out to remainder of composite bridge plug. RU power swivel and drill plug in 36 mins. RD power swivel. Clean out to 5,521'. TOH with 18 stands. SDFN.

1/04/02

REPAIR HYDROMATIC

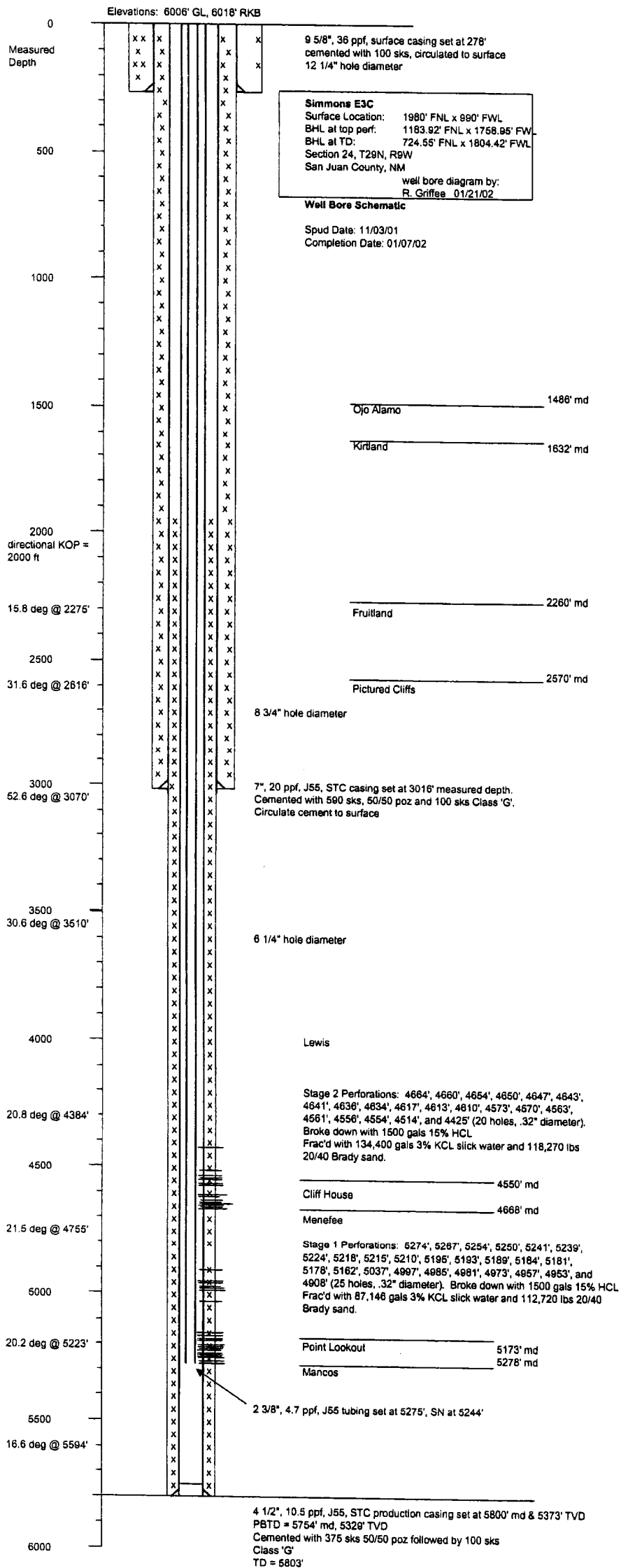
1/05/02

SICP = 325 psi. TIH and tag sand at 5,500', 25' fill. Clean out to 5,650'. TOH. LD bit and sub. MU expendable check 1 jt from bottom. TIH and tag 15' sand after 2 hrs and 45 mins. Secure well, SDFN.

1/07/02

SICP = 320 psi. TIH and tag sand at 5,620', 30' fill. Clean out to 5,683'. LD 14 jts tubing. Land well at 5,275'. ND BOPE. Pump OFF ex check at 650 psi. Blow well around. RD unit & equipment and move off. Well released to Production foreman.

*[Handwritten signature]*



1/8/11



Scientific  
Drilling

## Directional Survey Certification

RE: D.J. Simmons Operator  
Simmons E3C Well Name & No.  
Sec. 24, T29N, R9W Surface Hole Location  
San Juan County, NM Location  
41DEF1001272 SDI Job No.

I, Judi Moore, having personal knowledge of all the facts, hereby  
certify that the attached directional survey run from a measured depth of 278 feet to a  
measured depth of 5803 feet is true and correct as determined from all available records.

Judi Moore Signature Well Planner Title SDI Company

State of : Wyoming }  
County of : Natrona } ss

On this 2nd day of January, 2004, before me personally appeared  
Judi Moore to me known as the person described in and who executed the foregoing  
instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Summer J. Whitehouse  
Notary Public

Aug 18, 2004  
My Commission Expires



*Handwritten signature*



**Scientific  
Drilling**

**DIRECTIONAL SURVEY REPORT**

**Prepared For**

**D.J. SIMMONS  
Simmons E3C  
San Juan County, NM**

***Prepared By:  
Judi Moore - Well Planner  
Scientific Drilling International  
Rocky Mountain District***

Scientific Drilling International  
7237 W. Barton Rd., Casper, WY 82604  
P.O. Box 1600, Mills, WY 82644  
(307) 472-6621  
judimoore-sdi@touchtronics.net

*mt*



# Scientific Drilling CASPER, WY

|                            |                            |                               |            |
|----------------------------|----------------------------|-------------------------------|------------|
| Company: D.J. SIMMONS      | Date: 1/2/2002             | Time: 08:37:17                | Page: 1    |
| Field: San Juan County, NM | Co-ordinate(NE) Reference: | Site: Simmons E3C, True North |            |
| Site: Simmons E3C          | Vertical (TVD) Reference:  | SITE 0.0                      |            |
| Well: Simmons E3C          | Section (VS) Reference:    | Well (0.00N,0.00E,33.62Azi)   |            |
| Wellpath: OH               | Survey Calculation Method: | Minimum Curvature             | Db: Sybase |

|                   |                        |
|-------------------|------------------------|
| Survey: Survey #1 | Start Date: 11/17/2001 |
|-------------------|------------------------|

|                              |                       |
|------------------------------|-----------------------|
| Company: Scientific Drilling | Engineer: Sears       |
| Tool: MWD,E-Field            | Tied-to: From Surface |

Field: San Juan County, NM

|                                                   |                                    |
|---------------------------------------------------|------------------------------------|
| Map System: US State Plane Coordinate System 1927 | Map Zone: New Mexico, Western Zone |
| Geo Datum: NAD27 (Clarke 1866)                    | Coordinate System: Site Centre     |
| Sys Datum: Mean Sea Level                         | Geomagnetic Model: igrf2000        |

Site: Simmons E3C  
SHL SEC.24,T29N,R9W 1980'FNL & 990'FWL  
PBHL 721'FNL & 1827'FWL

|                       |           |   |                            |
|-----------------------|-----------|---|----------------------------|
| Site Position:        | Northing: | m | Latitude:                  |
| From: Lease Line      | Easting:  | m | Longitude:                 |
| Position Uncertainty: | 0.00 ft   |   | North Reference: True      |
| Ground Level:         | 0.00 ft   |   | Grid Convergence: 0.05 deg |

|                               |                       |                           |
|-------------------------------|-----------------------|---------------------------|
| Well: Simmons E3C             | Slot Name:            |                           |
| Well Position: +N/-S 0.00 ft  | Northing: 637723.03 m | Latitude: 36 44 59.999 N  |
| +E/-W 0.00 ft                 | Easting: 159841.40 m  | Longitude: 107 45 0.000 W |
| Position Uncertainty: 0.00 ft |                       |                           |

|                                    |                                    |          |               |
|------------------------------------|------------------------------------|----------|---------------|
| Wellpath: OH                       | Drilled From: Surface              |          |               |
| Current Datum: SITE                | Tie-on Depth: 0.00 ft              |          |               |
| Magnetic Data: 7/10/2001           | Above System Datum: Mean Sea Level |          |               |
| Field Strength: 51853 nT           | Declination: 11.15 deg             |          |               |
| Vertical Section: Depth From (TVD) | Mag Dip Angle: 63.73 deg           |          |               |
| ft                                 | +N/-S ft                           | +E/-W ft | Direction deg |
| 5290.00                            | 0.00                               | 0.00     | 33.62         |

## Survey

| Meas Depth<br>ft | Inclination<br>deg | Azimuth<br>deg | TVD<br>ft | Vert Sect<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | CLen<br>ft | CLSD<br>ft | CLSA<br>deg |
|------------------|--------------------|----------------|-----------|-----------------|-----------|-----------|------------------|------------|------------|-------------|
| 0.00             | 0.00               | 0.00           | 0.00      | 0.00            | 0.00      | 0.00      | 0.00             | 0.00       | 0.00       | 0.00        |
| 278.00           | 0.00               | 0.00           | 278.00    | 0.00            | 0.00      | 0.00      | 0.00             | 278.00     | 0.00       | 0.00        |
| 512.00           | 0.50               | 46.30          | 512.00    | 1.00            | 0.71      | 0.74      | 0.21             | 234.00     | 1.02       | 46.30       |
| 1051.00          | 0.10               | 15.10          | 1050.99   | 3.74            | 2.78      | 2.56      | 0.08             | 539.00     | 3.78       | 42.61       |
| 1500.00          | 0.60               | 297.30         | 1499.98   | 3.85            | 4.24      | 0.57      | 0.13             | 449.00     | 4.28       | 7.71        |
| 1965.00          | 0.40               | 13.00          | 1964.97   | 5.10            | 6.94      | -1.22     | 0.14             | 465.00     | 7.05       | 349.99      |
| 1996.00          | 0.60               | 103.20         | 1995.97   | 5.26            | 7.01      | -1.04     | 2.33             | 31.00      | 7.08       | 351.54      |
| 2027.00          | 2.10               | 77.20          | 2026.96   | 5.73            | 7.10      | -0.33     | 5.11             | 31.00      | 7.10       | 357.34      |
| 2058.00          | 4.00               | 68.90          | 2057.91   | 7.02            | 7.61      | 1.23      | 6.28             | 31.00      | 7.71       | 9.20        |
| 2089.00          | 5.70               | 63.40          | 2088.80   | 9.24            | 8.69      | 3.62      | 5.68             | 31.00      | 9.41       | 22.60       |
| 2120.00          | 7.60               | 62.70          | 2119.59   | 12.37           | 10.32     | 6.82      | 6.13             | 31.00      | 12.37      | 33.45       |
| 2149.00          | 9.40               | 60.80          | 2148.27   | 16.15           | 12.35     | 10.59     | 6.28             | 29.00      | 16.27      | 40.60       |
| 2181.00          | 11.00              | 61.70          | 2179.76   | 21.17           | 15.08     | 15.56     | 5.02             | 32.00      | 21.66      | 45.90       |
| 2213.00          | 12.80              | 63.10          | 2211.07   | 26.95           | 18.13     | 21.41     | 5.70             | 32.00      | 28.05      | 49.74       |
| 2245.00          | 14.30              | 64.60          | 2242.18   | 33.42           | 21.43     | 28.14     | 4.81             | 32.00      | 35.37      | 52.71       |
| 2275.00          | 15.80              | 65.10          | 2271.15   | 40.08           | 24.74     | 35.19     | 5.02             | 30.00      | 43.02      | 54.90       |
| 2306.00          | 17.20              | 64.80          | 2300.88   | 47.60           | 28.47     | 43.17     | 4.52             | 31.00      | 51.71      | 56.60       |
| 2337.00          | 18.40              | 63.30          | 2330.39   | 55.78           | 32.62     | 51.69     | 4.14             | 31.00      | 61.12      | 57.75       |
| 2368.00          | 19.60              | 62.00          | 2359.70   | 64.60           | 37.25     | 60.65     | 4.10             | 31.00      | 71.18      | 58.44       |
| 2399.00          | 20.60              | 61.20          | 2388.81   | 74.01           | 42.32     | 70.02     | 3.35             | 31.00      | 81.81      | 58.85       |
| 2430.00          | 21.50              | 60.40          | 2417.74   | 83.91           | 47.76     | 79.74     | 3.05             | 31.00      | 92.94      | 59.08       |
| 2462.00          | 22.70              | 59.70          | 2447.39   | 94.70           | 53.77     | 90.17     | 3.84             | 32.00      | 104.98     | 59.19       |
| 2494.00          | 23.70              | 58.70          | 2476.80   | 106.07          | 60.23     | 100.99    | 3.36             | 32.00      | 117.59     | 59.19       |
| 2524.00          | 25.30              | 56.90          | 2504.10   | 117.42          | 66.86     | 111.52    | 5.88             | 30.00      | 130.02     | 59.06       |

*MSH*



# Scientific Drilling CASPER, WY

Company: D.J. SIMMONS  
Field: San Juan County, NM  
Site: Simmons E3C  
Well: Simmons E3C  
Wellpath: OH

Date: 1/2/2002 Time: 08:37:17 Page: 2  
Co-ordinate(NE) Reference: Site: Simmons E3C, True North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,33.62Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

## Survey

| Meas Depth<br>ft | Inclination<br>deg | Azimuth<br>deg | TVD<br>ft | Vert Sect<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | CLen<br>ft | ClsD<br>ft | ClsA<br>deg |
|------------------|--------------------|----------------|-----------|-----------------|-----------|-----------|------------------|------------|------------|-------------|
| 2554.00          | 27.50              | 56.40          | 2530.97   | 129.69          | 74.19     | 122.66    | 7.37             | 30.00      | 143.35     | 58.83       |
| 2584.00          | 29.60              | 56.40          | 2557.32   | 142.91          | 82.13     | 134.60    | 7.00             | 30.00      | 157.67     | 58.61       |
| 2616.00          | 31.60              | 56.90          | 2584.87   | 157.90          | 91.08     | 148.20    | 6.30             | 32.00      | 173.95     | 58.43       |
| 2647.00          | 33.50              | 57.60          | 2611.00   | 173.18          | 100.10    | 162.23    | 6.25             | 31.00      | 190.63     | 58.32       |
| 2678.00          | 35.30              | 58.00          | 2636.57   | 189.15          | 109.43    | 177.05    | 5.85             | 31.00      | 208.14     | 58.28       |
| 2710.00          | 36.90              | 58.50          | 2662.43   | 206.29          | 119.35    | 193.09    | 5.08             | 32.00      | 227.00     | 58.28       |
| 2742.00          | 38.30              | 59.10          | 2687.78   | 223.96          | 129.46    | 209.79    | 4.52             | 32.00      | 246.52     | 58.32       |
| 2772.00          | 39.50              | 59.40          | 2711.13   | 240.94          | 139.10    | 225.98    | 4.05             | 30.00      | 265.35     | 58.39       |
| 2803.00          | 40.50              | 59.90          | 2734.87   | 258.85          | 149.16    | 243.17    | 3.39             | 31.00      | 285.28     | 58.48       |
| 2834.00          | 41.50              | 60.50          | 2758.27   | 277.03          | 159.27    | 260.82    | 3.47             | 31.00      | 305.61     | 58.59       |
| 2865.00          | 43.30              | 60.20          | 2781.16   | 295.70          | 169.61    | 278.99    | 5.84             | 31.00      | 326.50     | 58.70       |
| 2896.00          | 45.10              | 60.20          | 2803.38   | 315.03          | 180.35    | 297.74    | 5.81             | 31.00      | 348.10     | 58.80       |
| 2927.00          | 46.80              | 59.80          | 2824.94   | 334.99          | 191.49    | 317.03    | 5.56             | 31.00      | 370.38     | 58.87       |
| 2959.00          | 48.90              | 59.50          | 2846.41   | 356.30          | 203.48    | 337.51    | 6.60             | 32.00      | 394.10     | 58.91       |
| 2989.00          | 50.70              | 58.70          | 2865.77   | 376.99          | 215.25    | 357.17    | 6.34             | 30.00      | 417.01     | 58.92       |
| 3070.00          | 52.60              | 56.40          | 2916.03   | 435.05          | 249.34    | 410.75    | 3.23             | 81.00      | 480.51     | 58.74       |
| 3102.00          | 51.00              | 55.10          | 2935.82   | 458.34          | 263.49    | 431.54    | 5.93             | 32.00      | 505.62     | 58.59       |
| 3133.00          | 49.20              | 55.90          | 2955.71   | 480.41          | 276.96    | 451.14    | 6.13             | 31.00      | 529.37     | 58.45       |
| 3197.00          | 44.10              | 50.20          | 2999.64   | 524.21          | 304.83    | 488.34    | 10.26            | 64.00      | 575.67     | 58.03       |
| 3260.00          | 41.80              | 43.70          | 3045.78   | 565.92          | 334.06    | 519.71    | 7.92             | 63.00      | 617.81     | 57.27       |
| 3323.00          | 39.80              | 38.10          | 3093.48   | 606.71          | 365.12    | 546.67    | 6.62             | 63.00      | 657.39     | 56.26       |
| 3386.00          | 36.30              | 37.30          | 3143.08   | 645.43          | 395.83    | 570.42    | 5.61             | 63.00      | 694.31     | 55.24       |
| 3449.00          | 33.50              | 37.10          | 3194.75   | 681.40          | 424.54    | 592.21    | 4.45             | 63.00      | 728.66     | 54.36       |
| 3510.00          | 30.60              | 37.20          | 3246.45   | 713.71          | 450.33    | 611.76    | 4.75             | 61.00      | 759.64     | 53.64       |
| 3572.00          | 28.10              | 38.00          | 3300.48   | 744.02          | 474.41    | 630.29    | 4.08             | 62.00      | 788.88     | 53.03       |
| 3634.00          | 26.00              | 37.20          | 3355.70   | 772.15          | 496.75    | 647.50    | 3.44             | 62.00      | 816.10     | 52.51       |
| 3697.00          | 26.00              | 35.00          | 3412.32   | 799.73          | 519.06    | 663.77    | 1.53             | 63.00      | 842.62     | 51.98       |
| 3758.00          | 26.30              | 32.00          | 3467.08   | 826.61          | 541.47    | 678.60    | 2.22             | 61.00      | 868.15     | 51.41       |
| 3790.00          | 26.40              | 31.70          | 3495.76   | 840.81          | 553.54    | 686.09    | 0.52             | 32.00      | 881.55     | 51.10       |
| 3822.00          | 24.30              | 34.30          | 3524.68   | 854.50          | 565.03    | 693.54    | 7.43             | 32.00      | 894.57     | 50.83       |
| 3855.00          | 23.30              | 32.80          | 3554.87   | 867.82          | 576.12    | 700.91    | 3.54             | 33.00      | 907.30     | 50.58       |
| 3886.00          | 22.40              | 31.90          | 3583.44   | 879.85          | 586.29    | 707.35    | 3.11             | 31.00      | 918.74     | 50.35       |
| 3980.00          | 24.80              | 24.90          | 3669.59   | 917.26          | 619.39    | 725.12    | 3.92             | 94.00      | 953.65     | 49.50       |
| 4073.00          | 23.60              | 24.10          | 3754.41   | 954.90          | 654.08    | 740.93    | 1.34             | 93.00      | 988.33     | 48.56       |
| 4105.00          | 23.10              | 24.00          | 3783.79   | 967.40          | 665.66    | 746.10    | 1.57             | 32.00      | 999.89     | 48.26       |
| 4199.00          | 23.50              | 13.60          | 3870.16   | 1003.21         | 700.74    | 758.02    | 4.39             | 94.00      | 1032.29    | 47.25       |
| 4291.00          | 24.10              | 12.30          | 3954.34   | 1037.94         | 736.92    | 766.33    | 0.87             | 92.00      | 1063.16    | 46.12       |
| 4384.00          | 20.80              | 10.50          | 4040.28   | 1070.83         | 771.71    | 773.39    | 3.62             | 93.00      | 1092.55    | 45.06       |
| 4476.00          | 23.80              | 9.40           | 4125.39   | 1102.79         | 806.10    | 779.40    | 3.29             | 92.00      | 1121.27    | 44.04       |
| 4570.00          | 21.40              | 10.20          | 4212.16   | 1135.83         | 841.69    | 785.53    | 2.57             | 94.00      | 1151.31    | 43.02       |
| 4663.00          | 20.70              | 7.70           | 4298.96   | 1166.18         | 874.68    | 790.74    | 1.22             | 93.00      | 1179.13    | 42.11       |
| 4755.00          | 21.50              | 7.20           | 4384.79   | 1195.90         | 907.52    | 795.03    | 0.89             | 92.00      | 1206.51    | 41.22       |
| 4849.00          | 20.80              | 3.80           | 4472.46   | 1225.81         | 941.27    | 798.30    | 1.50             | 94.00      | 1234.20    | 40.30       |
| 4943.00          | 19.80              | 7.80           | 4560.63   | 1254.63         | 973.70    | 801.56    | 1.82             | 94.00      | 1261.18    | 39.46       |
| 5035.00          | 17.90              | 4.60           | 4647.69   | 1281.02         | 1003.23   | 804.81    | 2.35             | 92.00      | 1286.15    | 38.74       |
| 5128.00          | 19.70              | 11.80          | 4735.74   | 1308.08         | 1032.83   | 809.16    | 3.15             | 93.00      | 1312.05    | 38.08       |
| 5223.00          | 20.20              | 11.10          | 4825.04   | 1338.09         | 1064.59   | 815.60    | 0.58             | 95.00      | 1341.10    | 37.46       |
| 5316.00          | 19.20              | 7.50           | 4912.60   | 1366.66         | 1095.51   | 820.68    | 1.69             | 93.00      | 1368.82    | 36.84       |
| 5409.00          | 19.90              | 6.20           | 5000.23   | 1394.44         | 1126.41   | 824.39    | 0.89             | 93.00      | 1395.86    | 36.20       |
| 5502.00          | 19.00              | 1.00           | 5087.93   | 1421.24         | 1157.29   | 826.36    | 2.10             | 93.00      | 1422.04    | 35.53       |
| 5594.00          | 16.60              | 359.40         | 5175.52   | 1444.73         | 1185.40   | 826.49    | 2.66             | 92.00      | 1445.08    | 34.88       |
| 5803.00          | 16.60              | 359.40         | 5375.81   | 1494.10         | 1245.11   | 825.86    | 0.00             | 209.00     | 1494.10    | 33.56       |

*[Handwritten signature]*



Scientific Drilling  
CASPER, WY

|           |                     |                            |                   |                         |          |       |   |
|-----------|---------------------|----------------------------|-------------------|-------------------------|----------|-------|---|
| Company:  | D.J. SIMMONS        | Date:                      | 1/2/2002          | Time:                   | 08:37:17 | Page: | 3 |
| Field:    | San Juan County, NM | Co-ordinate(NE) Reference: | Site:             | Simmons E3C, True North |          |       |   |
| Site:     | Simmons E3C         | Vertical (TVD) Reference:  | SITE              | 0.0                     |          |       |   |
| Well:     | Simmons E3C         | Section (VS) Reference:    | Well              | (0.00N,0.00E,33.62Azi)  |          |       |   |
| Wellpath: | OH                  | Survey Calculation Method: | Minimum Curvature | Db:                     | Sybase   |       |   |

| Annotation |         |                        |
|------------|---------|------------------------|
| MD         | TVD     |                        |
| ft         | ft      |                        |
| 5803.00    | 5375.81 | Survey is a projection |

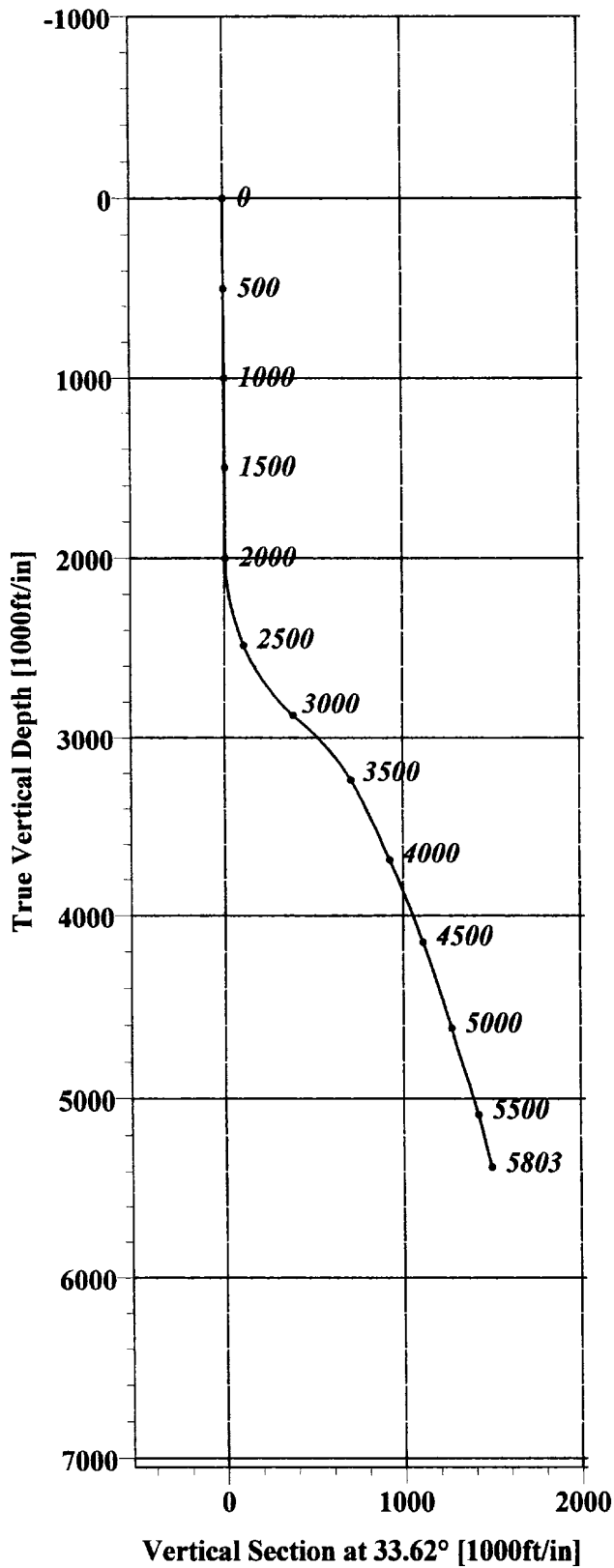
11/11



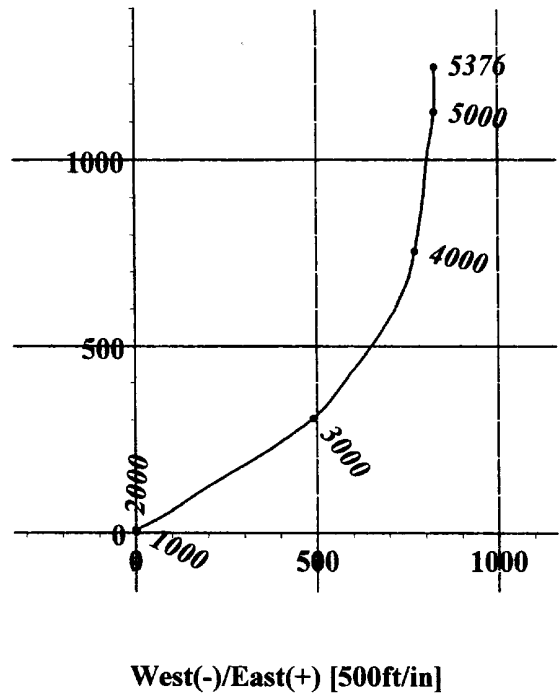
Scientific  
Drilling

# D.J. SIMMONS

Field: San Juan County, NM  
Site: Simmons E3C  
Well: Simmons E3C  
Wellpath: OH  
Survey: Survey #1



South(-)/North(+) [500ft/in]



Survey: Survey #1 (Simmons E3C/OH)

Created By: Judi Moore

Date: 1/2/2002

*Handwritten signature*