

HOBBS OGD

MAY 18 2015

30-025-42459

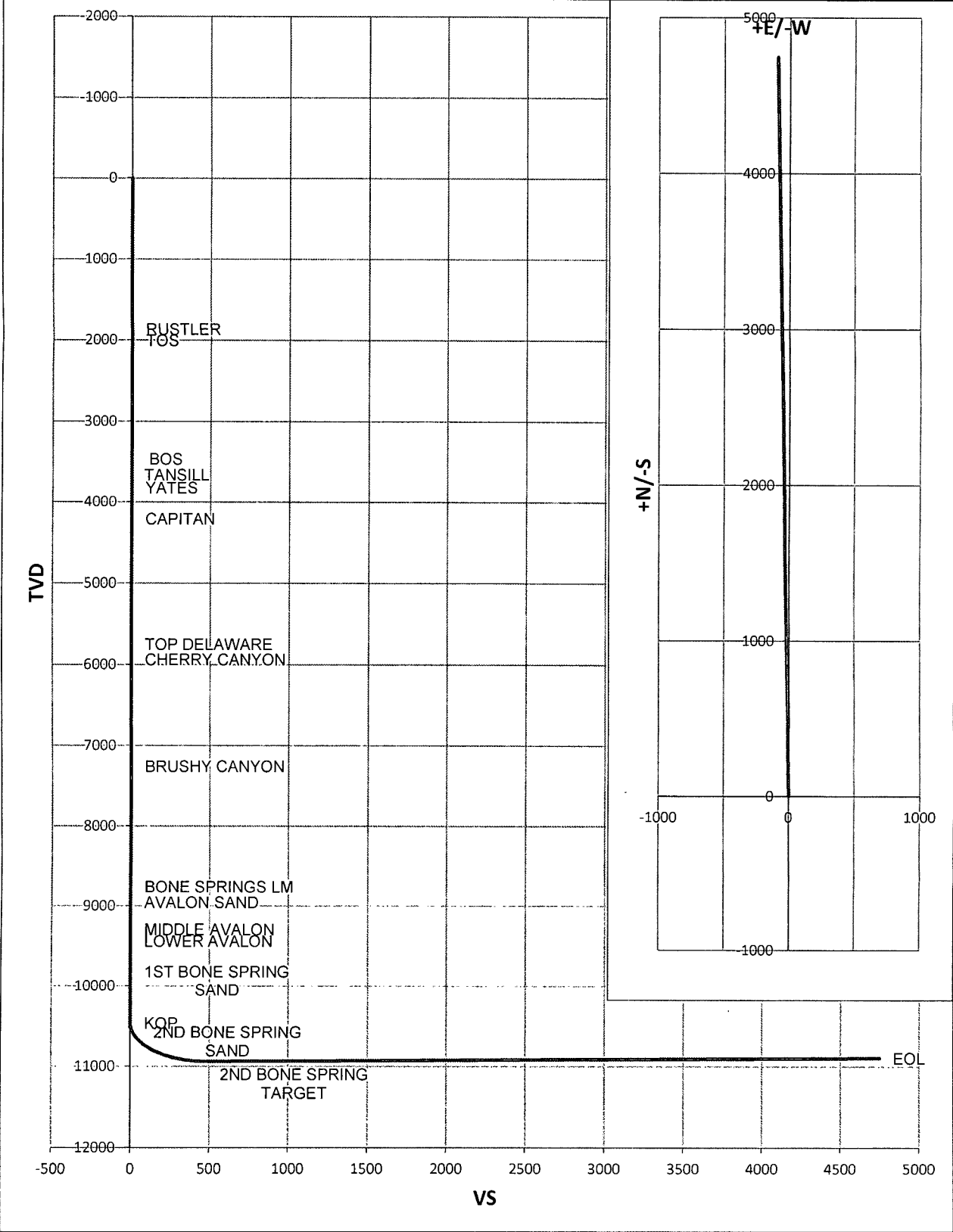
|                                                          |                  |                                 |
|----------------------------------------------------------|------------------|---------------------------------|
| Well Name: Boston BSN State Com #6H                      | Tgt N/S: 4748.60 | RECEIVED                        |
| Surface Location: Section 18 , Township 21S Range 34E    | Tgt E/W: -95.70  | EOC TVD/MD: 10942.82 / 11220.51 |
| Bottom Hole Location: Section 7 , Township 21S Range 34E | VS: 4749.56      | EOL TVD/MD: 10897.00 / 15487.48 |
|                                                          | VS Az: 358.85    |                                 |

| MD       | Inc.  | Azi.   | TVD      | N/S     | E/W    | VS      | DLS   | Comments               |
|----------|-------|--------|----------|---------|--------|---------|-------|------------------------|
| 0        | 0     | 0      | 0        | 0       | 0      | 0       | 0     |                        |
| 1865.00  | 0.00  | 0.00   | 1865.00  | 0.00    | 0.00   | 0.00    | 0.00  | RUSTLER                |
| 2005.00  | 0.00  | 0.00   | 2005.00  | 0.00    | 0.00   | 0.00    | 0.00  | TOS                    |
| 3640.00  | 0.00  | 0.00   | 3640.00  | 0.00    | 0.00   | 0.00    | 0.00  | BOS                    |
| 3680.00  | 0.00  | 0.00   | 3680.00  | 0.00    | 0.00   | 0.00    | 0.00  | TANSILL                |
| 3820.00  | 0.00  | 0.00   | 3820.00  | 0.00    | 0.00   | 0.00    | 0.00  | YATES                  |
| 4210.00  | 0.00  | 0.00   | 4210.00  | 0.00    | 0.00   | 0.00    | 0.00  | CAPITAN                |
| 5750.00  | 0.00  | 0.00   | 5750.00  | 0.00    | 0.00   | 0.00    | 0.00  | TOP DELAWARE           |
| 5820.00  | 0.00  | 0.00   | 5820.00  | 0.00    | 0.00   | 0.00    | 0.00  | CHERRY CANYON          |
| 7260.00  | 0.00  | 0.00   | 7260.00  | 0.00    | 0.00   | 0.00    | 0.00  | BRUSHY CANYON          |
| 8760.00  | 0.00  | 0.00   | 8760.00  | 0.00    | 0.00   | 0.00    | 0.00  | BONE SPRINGS LM        |
| 8955.00  | 0.00  | 0.00   | 8955.00  | 0.00    | 0.00   | 0.00    | 0.00  | AVALON SAND            |
| 9290.00  | 0.00  | 0.00   | 9290.00  | 0.00    | 0.00   | 0.00    | 0.00  | MIDDLE AVALON          |
| 9435.00  | 0.00  | 0.00   | 9435.00  | 0.00    | 0.00   | 0.00    | 0.00  | LOWER AVALON           |
| 9935.00  | 0.00  | 0.00   | 9935.00  | 0.00    | 0.00   | 0.00    | 0.00  | 1ST BONE SPRING SAND   |
| 10465.38 | 0.00  | 0.00   | 10465.38 | 0.00    | 0.00   | 0.00    | 0.00  | KOP                    |
| 10475.00 | 1.15  | 358.85 | 10475.00 | 0.10    | 0.00   | 0.10    | 12.00 |                        |
| 10500.00 | 4.15  | 358.85 | 10499.97 | 1.25    | -0.03  | 1.25    | 12.00 |                        |
| 10525.00 | 7.15  | 358.85 | 10524.85 | 3.72    | -0.07  | 3.72    | 12.00 |                        |
| 10550.00 | 10.15 | 358.85 | 10549.56 | 7.48    | -0.15  | 7.48    | 12.00 |                        |
| 10575.00 | 13.15 | 358.85 | 10574.04 | 12.53   | -0.25  | 12.53   | 12.00 |                        |
| 10600.00 | 16.15 | 358.85 | 10598.22 | 18.85   | -0.38  | 18.85   | 12.00 |                        |
| 10625.00 | 19.15 | 358.85 | 10622.04 | 26.43   | -0.53  | 26.43   | 12.00 |                        |
| 10650.00 | 22.15 | 358.85 | 10645.43 | 35.24   | -0.71  | 35.25   | 12.00 |                        |
| 10675.00 | 25.15 | 358.85 | 10668.33 | 45.27   | -0.91  | 45.28   | 12.00 |                        |
| 10700.00 | 28.15 | 358.85 | 10690.67 | 56.48   | -1.14  | 56.49   | 12.00 |                        |
| 10704.92 | 28.74 | 358.85 | 10695.00 | 58.82   | -1.19  | 58.83   | 12.00 | 2ND BONE SPRING SAND   |
| 10725.00 | 31.15 | 358.85 | 10712.39 | 68.85   | -1.39  | 68.86   | 12.00 |                        |
| 10750.00 | 34.15 | 358.85 | 10733.44 | 82.33   | -1.66  | 82.35   | 12.00 |                        |
| 10775.00 | 37.15 | 358.85 | 10753.75 | 96.90   | -1.95  | 96.92   | 12.00 |                        |
| 10800.00 | 40.15 | 358.85 | 10773.27 | 112.51  | -2.27  | 112.53  | 12.00 |                        |
| 10825.00 | 43.15 | 358.85 | 10791.95 | 129.12  | -2.60  | 129.15  | 12.00 |                        |
| 10850.00 | 46.15 | 358.85 | 10809.73 | 146.69  | -2.96  | 146.72  | 12.00 |                        |
| 10875.00 | 49.15 | 358.85 | 10826.57 | 165.16  | -3.33  | 165.19  | 12.00 |                        |
| 10900.00 | 52.15 | 358.85 | 10842.42 | 184.49  | -3.72  | 184.52  | 12.00 |                        |
| 10925.00 | 55.15 | 358.85 | 10857.23 | 204.62  | -4.12  | 204.66  | 12.00 |                        |
| 10950.00 | 58.15 | 358.85 | 10870.97 | 225.49  | -4.54  | 225.54  | 12.00 |                        |
| 10975.00 | 61.15 | 358.85 | 10883.60 | 247.06  | -4.98  | 247.11  | 12.00 |                        |
| 11000.00 | 64.15 | 358.85 | 10895.09 | 269.26  | -5.43  | 269.31  | 12.00 |                        |
| 11025.00 | 67.15 | 358.85 | 10905.39 | 292.03  | -5.89  | 292.09  | 12.00 |                        |
| 11050.00 | 70.15 | 358.85 | 10914.49 | 315.31  | -6.35  | 315.37  | 12.00 |                        |
| 11075.00 | 73.15 | 358.85 | 10922.36 | 339.03  | -6.83  | 339.10  | 12.00 |                        |
| 11100.00 | 76.15 | 358.85 | 10928.97 | 363.13  | -7.32  | 363.20  | 12.00 |                        |
| 11125.00 | 79.15 | 358.85 | 10934.32 | 387.54  | -7.81  | 387.62  | 12.00 |                        |
| 11150.00 | 82.15 | 358.85 | 10938.38 | 412.20  | -8.31  | 412.29  | 12.00 |                        |
| 11175.00 | 85.15 | 358.85 | 10941.14 | 437.04  | -8.81  | 437.13  | 12.00 |                        |
| 11200.00 | 88.15 | 358.85 | 10942.60 | 461.99  | -9.31  | 462.09  | 12.00 |                        |
| 11220.51 | 90.62 | 358.85 | 10942.82 | 482.49  | -9.72  | 482.59  | 12.00 | 2ND BONE SPRING TARGET |
| 15487.48 | 90.62 | 358.85 | 10897.00 | 4748.60 | -95.70 | 4749.56 | 0.00  | EOL                    |

MAY 18 2015

m

Boston BSN State Com #6H



DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6181 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax: (505) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy to appropriate  
District Office

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

|                            |                                              |                                                |
|----------------------------|----------------------------------------------|------------------------------------------------|
| API Number<br>30-025-42542 | Pool Code                                    | Pool Name<br>WC-025 G-06 S213326D; Bone Spring |
| Property Code<br>40431     | Property Name<br>PERSIMMON BSS STATE COM     | Well Number<br>2H                              |
| OGRID No.<br>025575        | Operator Name<br>YATES PETROLEUM CORPORATION | Elevation<br>3762                              |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K             | 24      | 21 S     | 33 E  |         | 2440'         | SOUTH            | 1880'         | WEST           | LEA    |

Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 25      | 21 S     | 33 E  |         | 330'          | SOUTH            | 1880'         | WEST           | LEA    |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 240             |                 |                    |           |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

**SURFACE LOCATION**  
Lat - N 32°27'49.50"  
Long - W 103°31'42.93"  
NMSPC - N 533378.5  
E 789537.1  
(NAD-83)

**PROPOSED BOTTOM HOLE LOCATION**  
Lat - N 32°26'36.34"  
Long - W 103°31'42.87"  
NMSPC - N 525985.3  
E 789598.0  
(NAD-83)

**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*[Signature]* 4/23/15  
Signature Date  
Rene P. Bela  
Printed Name  
rbela@yatespetroleum.com  
Email Address

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

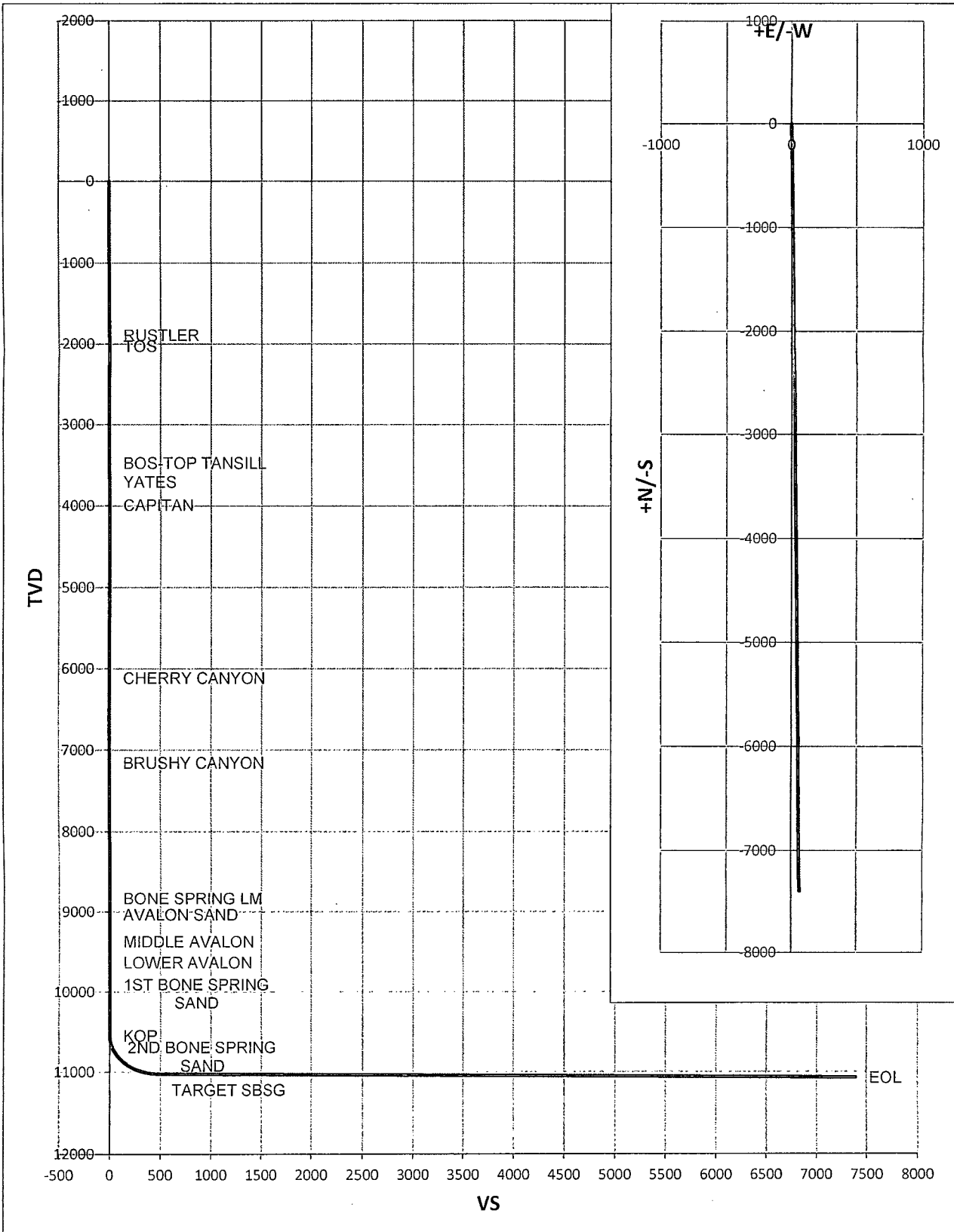
OCTOBER 14 2013  
Date Surveyed  
Signature & Seal of Professional Surveyor  
7977  
Certificate 7977  
Professional Land Surveyor  
BASIC SURVEY

0' 1000' 2000' 3000' 4000'  
SCALE: 1" = 2000'  
WO Num.: 28742

|                                                           |  |  |                   |  |                                 |  |
|-----------------------------------------------------------|--|--|-------------------|--|---------------------------------|--|
| Well Name: Persimmon BSS State Com #2H                    |  |  | Tgt N/S: -7393.20 |  | EOC TVD/MD: 11023.21 / 11292.52 |  |
| Surface Location: Section 24 , Township 21S Range 33E     |  |  | Tgt E/W: 60.90    |  |                                 |  |
| Bottom Hole Location: Section 25 , Township 21S Range 33E |  |  | VS: 7393.45       |  |                                 |  |
|                                                           |  |  | VS Az: 179.53     |  | EOL TVD/MD: 11070.00 / 18211.74 |  |

| TVD      | Inc   | Azi    | TVD      | GN/S     | GEAW  | VS      | DLS   | Comments             |
|----------|-------|--------|----------|----------|-------|---------|-------|----------------------|
| 0        | 0     | 0      | 0        | 0        | 0     | 0       | 0     |                      |
| 1890.00  | 0.00  | 0.00   | 1890.00  | 0.00     | 0.00  | 0.00    | 0.00  | RUSTLER              |
| 2025.00  | 0.00  | 0.00   | 2025.00  | 0.00     | 0.00  | 0.00    | 0.00  | TOS                  |
| 3475.00  | 0.00  | 0.00   | 3475.00  | 0.00     | 0.00  | 0.00    | 0.00  | BOS-TOP TANSILL      |
| 3705.00  | 0.00  | 0.00   | 3705.00  | 0.00     | 0.00  | 0.00    | 0.00  | YATES                |
| 3990.00  | 0.00  | 0.00   | 3990.00  | 0.00     | 0.00  | 0.00    | 0.00  | CAPTAN               |
| 6115.00  | 0.00  | 0.00   | 6115.00  | 0.00     | 0.00  | 0.00    | 0.00  | CHERRY CANYON        |
| 7155.00  | 0.00  | 0.00   | 7155.00  | 0.00     | 0.00  | 0.00    | 0.00  | BRUSHY CANYON        |
| 8825.00  | 0.00  | 0.00   | 8825.00  | 0.00     | 0.00  | 0.00    | 0.00  | BONE SPRING LM       |
| 9030.00  | 0.00  | 0.00   | 9030.00  | 0.00     | 0.00  | 0.00    | 0.00  | AVALON SAND          |
| 9370.00  | 0.00  | 0.00   | 9370.00  | 0.00     | 0.00  | 0.00    | 0.00  | MIDDLE AVALON        |
| 9630.00  | 0.00  | 0.00   | 9630.00  | 0.00     | 0.00  | 0.00    | 0.00  | LOWER AVALON         |
| 10020.00 | 0.00  | 0.00   | 10020.00 | 0.00     | 0.00  | 0.00    | 0.00  | 1ST BONE SPRING SAND |
| 10545.75 | 0.00  | 0.00   | 10545.75 | 0.00     | 0.00  | 0.00    | 0.00  | KOP                  |
| 10550.00 | 0.51  | 179.53 | 10550.00 | -0.02    | 0.00  | 0.02    | 12.00 |                      |
| 10575.00 | 3.51  | 179.53 | 10574.98 | -0.90    | 0.01  | 0.90    | 12.00 |                      |
| 10600.00 | 6.51  | 179.53 | 10599.88 | -3.08    | 0.03  | 3.08    | 12.00 |                      |
| 10625.00 | 9.51  | 179.53 | 10624.64 | -6.56    | 0.05  | 6.56    | 12.00 |                      |
| 10650.00 | 12.51 | 179.53 | 10649.17 | -11.33   | 0.09  | 11.34   | 12.00 |                      |
| 10675.00 | 15.51 | 179.53 | 10673.43 | -17.39   | 0.14  | 17.39   | 12.00 |                      |
| 10700.00 | 18.51 | 179.53 | 10697.33 | -24.70   | 0.20  | 24.70   | 12.00 |                      |
| 10713.42 | 20.12 | 179.53 | 10710.00 | -29.14   | 0.24  | 29.14   | 12.00 | 2ND BONE SPRING SAND |
| 10725.00 | 21.51 | 179.53 | 10720.82 | -33.25   | 0.27  | 33.25   | 12.00 |                      |
| 10750.00 | 24.51 | 179.53 | 10743.83 | -43.02   | 0.35  | 43.02   | 12.00 |                      |
| 10775.00 | 27.51 | 179.53 | 10766.29 | -53.98   | 0.44  | 53.99   | 12.00 |                      |
| 10800.00 | 30.51 | 179.53 | 10788.15 | -66.11   | 0.54  | 66.11   | 12.00 |                      |
| 10825.00 | 33.51 | 179.53 | 10809.35 | -79.36   | 0.65  | 79.36   | 12.00 |                      |
| 10850.00 | 36.51 | 179.53 | 10829.82 | -93.70   | 0.77  | 93.70   | 12.00 |                      |
| 10875.00 | 39.51 | 179.53 | 10849.52 | -109.09  | 0.90  | 109.09  | 12.00 |                      |
| 10900.00 | 42.51 | 179.53 | 10868.38 | -125.49  | 1.03  | 125.49  | 12.00 |                      |
| 10925.00 | 45.51 | 179.53 | 10886.36 | -142.86  | 1.18  | 142.86  | 12.00 |                      |
| 10950.00 | 48.51 | 179.53 | 10903.41 | -161.14  | 1.33  | 161.15  | 12.00 |                      |
| 10975.00 | 51.51 | 179.53 | 10919.47 | -180.29  | 1.49  | 180.30  | 12.00 |                      |
| 11000.00 | 54.51 | 179.53 | 10934.51 | -200.26  | 1.65  | 200.26  | 12.00 |                      |
| 11025.00 | 57.51 | 179.53 | 10948.49 | -220.98  | 1.82  | 220.99  | 12.00 |                      |
| 11050.00 | 60.51 | 179.53 | 10961.36 | -242.41  | 2.00  | 242.42  | 12.00 |                      |
| 11075.00 | 63.51 | 179.53 | 10973.09 | -264.48  | 2.18  | 264.49  | 12.00 |                      |
| 11100.00 | 66.51 | 179.53 | 10983.65 | -287.14  | 2.37  | 287.15  | 12.00 |                      |
| 11125.00 | 69.51 | 179.53 | 10993.01 | -310.32  | 2.56  | 310.33  | 12.00 |                      |
| 11150.00 | 72.51 | 179.53 | 11001.14 | -333.95  | 2.75  | 333.96  | 12.00 |                      |
| 11175.00 | 75.51 | 179.53 | 11008.03 | -357.98  | 2.95  | 357.99  | 12.00 |                      |
| 11200.00 | 78.51 | 179.53 | 11013.65 | -382.34  | 3.15  | 382.35  | 12.00 |                      |
| 11225.00 | 81.51 | 179.53 | 11017.99 | -406.96  | 3.35  | 406.97  | 12.00 |                      |
| 11250.00 | 84.51 | 179.53 | 11021.03 | -431.77  | 3.56  | 431.78  | 12.00 |                      |
| 11275.00 | 87.51 | 179.53 | 11022.77 | -456.70  | 3.76  | 456.72  | 12.00 |                      |
| 11292.52 | 89.61 | 179.53 | 11023.21 | -474.22  | 3.91  | 474.24  | 12.00 | TARGET SBSG          |
| 18211.74 | 89.61 | 179.53 | 11070.00 | -7393.20 | 60.90 | 7393.45 | 0.00  | EOL                  |

# Persimmon BSS State Com #2H



**DISTRICT I**1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax: (575) 393-0720**DISTRICT II**811 S. First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax: (575) 748-0720**DISTRICT III**1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 334-6178 Fax: (505) 334-6170**DISTRICT IV**1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 478-3450 Fax: (505) 478-3452State of New Mexico  
Energy, Minerals and Natural Resources DepartmentForm C-102  
Revised August 1, 2011Submit one copy to appropriate  
District Office**OIL CONSERVATION DIVISION**1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505**WELL LOCATION AND ACREAGE DEDICATION PLAT**☐ AMENDED REPORT

|                            |                                                |                                        |
|----------------------------|------------------------------------------------|----------------------------------------|
| API Number<br>30-025-42526 | Pool Code<br>5535                              | Pool Name<br>Berry; Bone Spring, North |
| Property Code<br>39221     | Property Name<br>SEPTEMBER GRASS BSG STATE COM | Well Number<br>4H                      |
| OGRID No.<br>025575        | Operator Name<br>YATES PETROLEUM CORPORATION   | Elevation<br>3719                      |

**Surface Location**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/EAST line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| LOT 16        | 5       | 21 S     | 34 E  |         | 2725          | SOUTH            | 330           | EAST           | LEA    |

**Bottom Hole Location If Different From Surface**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/EAST line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| H             | 8       | 21 S     | 34 E  |         | 2310          | NORTH            | 660           | EAST           | LEA    |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 160             |                 |                    |           |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                                                                                                                                        |                                                                                       |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|--|
| <b>SURFACE LOCATION</b><br>Lot - N 32°30'29.32"<br>Long - W 103°29'04.42"<br>NMSPCE- N 549634.9<br>E 802989.5<br>(NAD-83)              | LOT 12    LOT 11    LOT 10    LOT 9<br>LOT 13    LOT 14    LOT 15    LOT 16           |  |  |  |
|                                                                                                                                        | Penetration Point:<br>2247' FSL & 357' FEL<br>Dedicated Arces: →<br>Producing Zone: → |  |  |  |
| <b>PROPOSED BOTTOM HOLE LOCATION</b><br>Lot - N 32°29'39.50"<br>Long - W 103°29'08.23"<br>NMSPCE- N 544597.4<br>E 802702.8<br>(NAD-83) | N.: 546855.7<br>E.: 798061.4<br>(NAD 83)                                              |  |  |  |
|                                                                                                                                        | N.: 546885.1<br>E.: 800701.7<br>(NAD 83)                                              |  |  |  |
| N.: 546891.2<br>E.: 803342.2<br>(NAD 83)                                                                                               |                                                                                       |  |  |  |
| N.: 541633.9<br>E.: 803387.8<br>(NAD 83)                                                                                               |                                                                                       |  |  |  |

S.L. 330  
 5046.6'  
 2310'  
 B.H. 660'

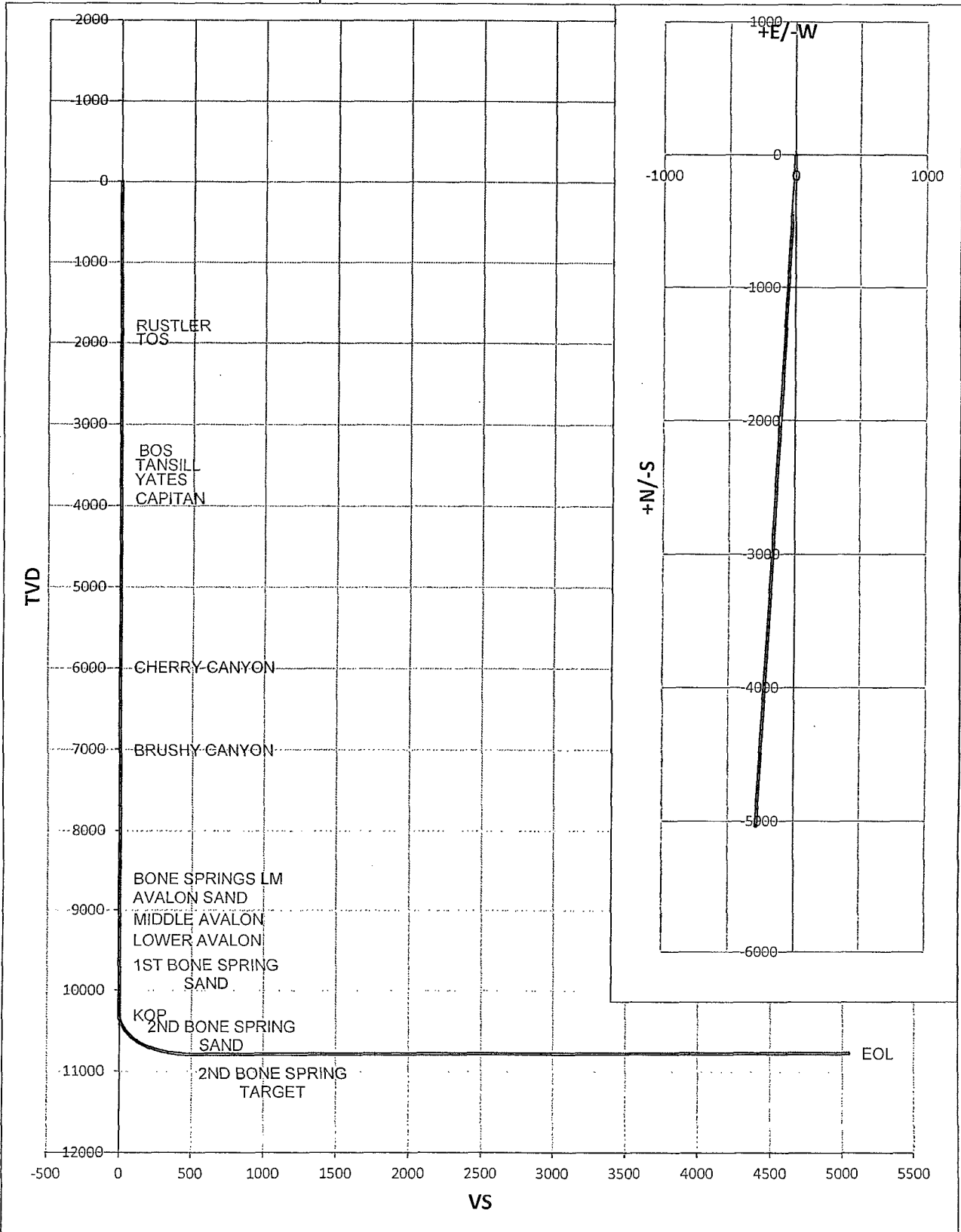
**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unLEASED mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  
 Signature: Travis Hahn      Date: 4/22/15  
 Printed Name: Travis Hahn  
 Email Address: thahn@yatespetroleum.com

**SURVEYOR CERTIFICATION**  
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  
 Date Surveyed: DECEMBER 1, 2013  
 Signature: [Signature] of Professional Surveyor  
 Certificate No.: 7977  
 Scale: 1" = 2000'  
 WO Num.: 29843

|                                                          |  |  |  |                   |                                 |  |
|----------------------------------------------------------|--|--|--|-------------------|---------------------------------|--|
| Well Name: September Grass BSG State Com #4H             |  |  |  | Tgt N-S: -5037.50 | EOC TVD/MD: 10788.58 / 11062.53 |  |
| Surface Location: Section 5 , Township 21S Range 34E     |  |  |  | Tgt E-W: -286.70  |                                 |  |
| Bottom Hole Location: Section 8 , Township 21S Range 34E |  |  |  | VS: 5045.65       | EOL TVD/MD: 10775.00 / 15629.30 |  |
|                                                          |  |  |  | VS Az: 183.26     |                                 |  |

| MD       | Inc.  | AZI    | TVD      | N-S      | E-W     | VS      | DLS   | Comments               |
|----------|-------|--------|----------|----------|---------|---------|-------|------------------------|
| 0        | 0     | 0      | 0        | 0        | 0       | 0       | 0     |                        |
| 1827.00  | 0.00  | 0.00   | 1827.00  | 0.00     | 0.00    | 0.00    | 0.00  | RUSTLER                |
| 1957.00  | 0.00  | 0.00   | 1957.00  | 0.00     | 0.00    | 0.00    | 0.00  | TOS                    |
| 3497.00  | 0.00  | 0.00   | 3497.00  | 0.00     | 0.00    | 0.00    | 0.00  | BOS                    |
| 3517.00  | 0.00  | 0.00   | 3517.00  | 0.00     | 0.00    | 0.00    | 0.00  | TANSILL                |
| 3677.00  | 0.00  | 0.00   | 3677.00  | 0.00     | 0.00    | 0.00    | 0.00  | YATES                  |
| 3912.00  | 0.00  | 0.00   | 3912.00  | 0.00     | 0.00    | 0.00    | 0.00  | CAPITAN                |
| 5987.00  | 0.00  | 0.00   | 5987.00  | 0.00     | 0.00    | 0.00    | 0.00  | CHERRY CANYON          |
| 7007.00  | 0.00  | 0.00   | 7007.00  | 0.00     | 0.00    | 0.00    | 0.00  | BRUSHY CANYON          |
| 8607.00  | 0.00  | 0.00   | 8607.00  | 0.00     | 0.00    | 0.00    | 0.00  | BONE SPRINGS LM        |
| 8842.00  | 0.00  | 0.00   | 8842.00  | 0.00     | 0.00    | 0.00    | 0.00  | AVALON SAND            |
| 9112.00  | 0.00  | 0.00   | 9112.00  | 0.00     | 0.00    | 0.00    | 0.00  | MIDDLE AVALON          |
| 9372.00  | 0.00  | 0.00   | 9372.00  | 0.00     | 0.00    | 0.00    | 0.00  | LOWER AVALON           |
| 9797.00  | 0.00  | 0.00   | 9797.00  | 0.00     | 0.00    | 0.00    | 0.00  | 1ST BONE SPRING SAND   |
| 10311.11 | 0.00  | 0.00   | 10311.11 | 0.00     | 0.00    | 0.00    | 0.00  | KOP                    |
| 10325.00 | 1.67  | 183.26 | 10325.00 | -0.20    | -0.01   | 0.20    | 12.00 |                        |
| 10350.00 | 4.67  | 183.26 | 10349.96 | -1.58    | -0.09   | 1.58    | 12.00 |                        |
| 10375.00 | 7.67  | 183.26 | 10374.81 | -4.26    | -0.24   | 4.27    | 12.00 |                        |
| 10400.00 | 10.67 | 183.26 | 10399.49 | -8.24    | -0.47   | 8.25    | 12.00 |                        |
| 10425.00 | 13.67 | 183.26 | 10423.92 | -13.50   | -0.77   | 13.52   | 12.00 |                        |
| 10450.00 | 16.67 | 183.26 | 10448.05 | -20.03   | -1.14   | 20.06   | 12.00 |                        |
| 10475.00 | 19.67 | 183.26 | 10471.80 | -27.81   | -1.58   | 27.85   | 12.00 |                        |
| 10500.00 | 22.67 | 183.26 | 10495.11 | -36.82   | -2.10   | 36.88   | 12.00 |                        |
| 10525.00 | 25.67 | 183.26 | 10517.92 | -47.03   | -2.68   | 47.11   | 12.00 |                        |
| 10550.00 | 28.67 | 183.26 | 10540.16 | -58.43   | -3.33   | 58.52   | 12.00 |                        |
| 10575.00 | 31.67 | 183.26 | 10561.77 | -70.97   | -4.04   | 71.09   | 12.00 |                        |
| 10600.00 | 34.67 | 183.26 | 10582.69 | -84.62   | -4.82   | 84.76   | 12.00 |                        |
| 10623.89 | 37.53 | 183.26 | 10602.00 | -98.67   | -5.62   | 98.83   | 12.00 | 2ND BONE SPRING SAND   |
| 10625.00 | 37.67 | 183.26 | 10602.87 | -99.35   | -5.65   | 99.51   | 12.00 |                        |
| 10650.00 | 40.67 | 183.26 | 10622.26 | -115.11  | -6.55   | 115.30  | 12.00 |                        |
| 10675.00 | 43.67 | 183.26 | 10640.78 | -131.87  | -7.50   | 132.08  | 12.00 |                        |
| 10700.00 | 46.67 | 183.26 | 10658.41 | -149.56  | -8.51   | 149.81  | 12.00 |                        |
| 10725.00 | 49.67 | 183.26 | 10675.08 | -168.16  | -9.57   | 168.43  | 12.00 |                        |
| 10750.00 | 52.67 | 183.26 | 10690.75 | -187.60  | -10.68  | 187.90  | 12.00 |                        |
| 10775.00 | 55.67 | 183.26 | 10705.39 | -207.83  | -11.83  | 208.17  | 12.00 |                        |
| 10800.00 | 58.67 | 183.26 | 10718.94 | -228.80  | -13.02  | 229.17  | 12.00 |                        |
| 10825.00 | 61.67 | 183.26 | 10731.38 | -250.45  | -14.25  | 250.86  | 12.00 |                        |
| 10850.00 | 64.67 | 183.26 | 10742.66 | -272.72  | -15.52  | 273.16  | 12.00 |                        |
| 10875.00 | 67.67 | 183.26 | 10752.76 | -295.55  | -16.82  | 296.03  | 12.00 |                        |
| 10900.00 | 70.67 | 183.26 | 10761.65 | -318.88  | -18.15  | 319.39  | 12.00 |                        |
| 10925.00 | 73.67 | 183.26 | 10769.31 | -342.63  | -19.50  | 343.19  | 12.00 |                        |
| 10950.00 | 76.67 | 183.26 | 10775.71 | -366.76  | -20.87  | 367.35  | 12.00 |                        |
| 10975.00 | 79.67 | 183.26 | 10780.83 | -391.18  | -22.26  | 391.82  | 12.00 |                        |
| 11000.00 | 82.67 | 183.26 | 10784.67 | -415.84  | -23.67  | 416.52  | 12.00 |                        |
| 11025.00 | 85.67 | 183.26 | 10787.21 | -440.67  | -25.08  | 441.39  | 12.00 |                        |
| 11050.00 | 88.67 | 183.26 | 10788.45 | -465.60  | -26.50  | 466.35  | 12.00 |                        |
| 11062.53 | 90.17 | 183.26 | 10788.58 | -478.11  | -27.21  | 478.88  | 12.00 | 2ND BONE SPRING TARGET |
| 15629.30 | 90.17 | 183.26 | 10775.00 | -5037.50 | -286.70 | 5045.65 | 0.00  | EOL                    |

September Grass BSG State Com #4H





OCTOBER 1973  
 Date Surveyed  
 Signature & Seal of  
 Professional Surveyor  
 NEW MEXICO  
 7977  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 Certificate No. 7977  
 BASIN SURVEYS  
 0' 1000' 2000' 3000' 4000'  
 SCALE: 1" = 2000'  
 WO Num.: 29436

|                                                           |  |                   |                                 |
|-----------------------------------------------------------|--|-------------------|---------------------------------|
| Well Name: Nectarine BSQ State Com #1H                    |  | Tgt N/-S: 7789.70 | EOC TVD/MD: 11010.67 / 11287.52 |
| Surface Location: Section 24 , Township 21S Range 33E     |  | Tgt E/-W: -63.90  |                                 |
| Bottom Hole Location: Section 13 , Township 21S Range 33E |  | VS: 7789.96       | EOL TVD/MD: 10945.00 / 18595.72 |
|                                                           |  | VS Az: 359.53     |                                 |

| MD       | Inc.  | Azi.   | TVD      | +N/-S   | +E/-W  | VS      | DLS   | Comments                     |
|----------|-------|--------|----------|---------|--------|---------|-------|------------------------------|
| 0        | 0     | 0      | 0        | 0       | 0      | 0       | 0     |                              |
| 1885.00  | 0.00  | 0.00   | 1885.00  | 0.00    | 0.00   | 0.00    | 0.00  | RUSTLER                      |
| 2020.00  | 0.00  | 0.00   | 2020.00  | 0.00    | 0.00   | 0.00    | 0.00  | TOS                          |
| 3470.00  | 0.00  | 0.00   | 3470.00  | 0.00    | 0.00   | 0.00    | 0.00  | BOS-TOP TANSILL              |
| 3700.00  | 0.00  | 0.00   | 3700.00  | 0.00    | 0.00   | 0.00    | 0.00  | YATES                        |
| 3985.00  | 0.00  | 0.00   | 3985.00  | 0.00    | 0.00   | 0.00    | 0.00  | CAPITAN                      |
| 6110.00  | 0.00  | 0.00   | 6110.00  | 0.00    | 0.00   | 0.00    | 0.00  | CHERRY CANYON                |
| 7150.00  | 0.00  | 0.00   | 7150.00  | 0.00    | 0.00   | 0.00    | 0.00  | BRUSHY CANYON                |
| 8820.00  | 0.00  | 0.00   | 8820.00  | 0.00    | 0.00   | 0.00    | 0.00  | BONE SPRINGS LM              |
| 9025.00  | 0.00  | 0.00   | 9025.00  | 0.00    | 0.00   | 0.00    | 0.00  | AVALON SAND                  |
| 9365.00  | 0.00  | 0.00   | 9365.00  | 0.00    | 0.00   | 0.00    | 0.00  | MIDDLE AVALON                |
| 9625.00  | 0.00  | 0.00   | 9625.00  | 0.00    | 0.00   | 0.00    | 0.00  | LOWER AVALON                 |
| 10015.00 | 0.00  | 0.00   | 10015.00 | 0.00    | 0.00   | 0.00    | 0.00  | 1ST BONE SPRINGS SAND        |
| 10533.23 | 0.00  | 0.00   | 10533.23 | 0.00    | 0.00   | 0.00    | 0.00  | KOP                          |
| 10550.00 | 2.01  | 359.53 | 10550.00 | 0.29    | -0.00  | 0.29    | 12.00 |                              |
| 10575.00 | 5.01  | 359.53 | 10574.95 | 1.83    | -0.01  | 1.83    | 12.00 |                              |
| 10600.00 | 8.01  | 359.53 | 10599.78 | 4.66    | -0.04  | 4.66    | 12.00 |                              |
| 10625.00 | 11.01 | 359.53 | 10624.44 | 8.79    | -0.07  | 8.79    | 12.00 |                              |
| 10650.00 | 14.01 | 359.53 | 10648.84 | 14.21   | -0.12  | 14.21   | 12.00 |                              |
| 10675.00 | 17.01 | 359.53 | 10672.93 | 20.89   | -0.17  | 20.89   | 12.00 |                              |
| 10700.00 | 20.01 | 359.53 | 10696.63 | 28.83   | -0.24  | 28.83   | 12.00 |                              |
| 10708.94 | 21.08 | 359.53 | 10705.00 | 31.97   | -0.26  | 31.97   | 12.00 | 2ND BONE SPRINGS SAND        |
| 10725.00 | 23.01 | 359.53 | 10719.89 | 38.00   | -0.31  | 38.00   | 12.00 |                              |
| 10750.00 | 26.01 | 359.53 | 10742.63 | 48.37   | -0.40  | 48.37   | 12.00 |                              |
| 10775.00 | 29.01 | 359.53 | 10764.80 | 59.91   | -0.49  | 59.92   | 12.00 |                              |
| 10800.00 | 32.01 | 359.53 | 10786.33 | 72.61   | -0.60  | 72.61   | 12.00 |                              |
| 10825.00 | 35.01 | 359.53 | 10807.18 | 86.41   | -0.71  | 86.41   | 12.00 |                              |
| 10850.00 | 38.01 | 359.53 | 10827.27 | 101.28  | -0.83  | 101.28  | 12.00 |                              |
| 10875.00 | 41.01 | 359.53 | 10846.55 | 117.18  | -0.96  | 117.19  | 12.00 |                              |
| 10900.00 | 44.01 | 359.53 | 10864.98 | 134.08  | -1.10  | 134.08  | 12.00 |                              |
| 10925.00 | 47.01 | 359.53 | 10882.49 | 151.91  | -1.25  | 151.91  | 12.00 |                              |
| 10950.00 | 50.01 | 359.53 | 10899.05 | 170.63  | -1.40  | 170.64  | 12.00 |                              |
| 10975.00 | 53.01 | 359.53 | 10914.61 | 190.20  | -1.56  | 190.21  | 12.00 |                              |
| 11000.00 | 56.01 | 359.53 | 10929.12 | 210.55  | -1.73  | 210.56  | 12.00 |                              |
| 11025.00 | 59.01 | 359.53 | 10942.55 | 231.64  | -1.90  | 231.64  | 12.00 |                              |
| 11050.00 | 62.01 | 359.53 | 10954.85 | 253.40  | -2.08  | 253.40  | 12.00 |                              |
| 11075.00 | 65.01 | 359.53 | 10966.00 | 275.77  | -2.26  | 275.78  | 12.00 |                              |
| 11100.00 | 68.01 | 359.53 | 10975.96 | 298.69  | -2.45  | 298.70  | 12.00 |                              |
| 11125.00 | 71.01 | 359.53 | 10984.71 | 322.11  | -2.64  | 322.12  | 12.00 |                              |
| 11150.00 | 74.01 | 359.53 | 10992.22 | 345.95  | -2.84  | 345.96  | 12.00 |                              |
| 11175.00 | 77.01 | 359.53 | 10998.48 | 370.15  | -3.04  | 370.16  | 12.00 |                              |
| 11200.00 | 80.01 | 359.53 | 11003.46 | 394.65  | -3.24  | 394.66  | 12.00 |                              |
| 11225.00 | 83.01 | 359.53 | 11007.14 | 419.37  | -3.44  | 419.38  | 12.00 |                              |
| 11250.00 | 86.01 | 359.53 | 11009.53 | 444.25  | -3.64  | 444.27  | 12.00 |                              |
| 11275.00 | 89.01 | 359.53 | 11010.62 | 469.22  | -3.85  | 469.24  | 12.00 |                              |
| 11287.52 | 90.51 | 359.53 | 11010.67 | 481.74  | -3.95  | 481.76  | 12.00 | 2ND BONE SPRINGS TARGET ZONE |
| 18595.72 | 90.51 | 359.53 | 10945.00 | 7789.70 | -63.90 | 7789.96 | 0.00  | EOL                          |

Nectarine BSQ State Com #1H

