

**OCD CATHODIC PROTECTION DEEPWELL GROUND BED REPORT  
DATA SHEET: NORTHWESTERN NEW MEXICO**

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE

OPERATOR: ConocoPhillips CO.  
FARMINGTON, NM 87401  
PHONE: 599-3400

**LOCATION INFORMATION**

API NUMBER: 3003926784  
WELL NAME OR PIPELINE SERVED: SAN JUAN 28-7 UNIT 152E LEGAL LOCATION: 21 27N 07W INSTALLATION DATE: 4/30/2013  
PPCO. RECTIFIER NO.: FM-162A ADDITIONAL WELLS:  
TYPE OF LEASE: LEASE NUMBER: SF-078640

**GROUND BED INFORMATION**

TOTAL DEPTH: 300' CASING DIAMETER: 8" TYPE OF CASING: PVC CASING DEPTH: 20' CASING CEMENTED  
TOP ANODE DEPTH: 162' BOTTOM ANODE DEPTH: 270'  
ANODE DEPTHS: 162, 174, 186, 198, 210, 222, 234, 246, 258, 270  
AMOUNT OF COKE: 50 BAGS

**WATER INFORMATION**

WATER DEPTH (1): INJECT 220'-300' WATER DEPTH (2):  
GAS DEPTH: CEMENT PLUGS:

RCVD MAY 15 '13  
OIL CONS. DIV.  
DIST. 3

**OTHER INFORMATION**

TOP OF VENT PERFORATIONS: 160' VENT PIPE DEPTH: 300'

REMARKS:

COKE DEPTH 147'

IF ANY OF THE ABOVE INFORMATION IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED WELLS ARE TO BE INCLUDED.

\* LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE  
IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Wednesday, Nove

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COMPANY: CONOCO PHILLIPS  
 COMPANY REP.: JOHN TAFOYA  
 LOCATION: SAN JUAN 28-7 UNIT 152 E  
 JOB NO.: 340140432  
 FOREMAN: RON LUNA  
 DRILLER: DARREL FERRIER

DATE: 4/30/2013  
 DIA. HOLE: 7 7/8  
 DEPTH: 300'  
 COKE TYPE: SW  
 # OF COKE: 50 BAGS  
 # OF BENTONITE: 0

CASING: SCH40 PVC  
 DIAMETER: 8"  
 CASING DEPTH: 20'  
 # OF ANODES: 10  
 ANODE TYPE: 2284Z  
 ANODE LEAD: HWMPE #8

**corrpro**

RECTIFIER MFG: \_\_\_\_\_  
 MODEL: \_\_\_\_\_  
 SERIAL #: \_\_\_\_\_  
 V-DC: \_\_\_\_\_ A-DC: \_\_\_\_\_

| WELL LOG  |                          |          |      |                    |           |                          |       |      |                    | ANODE PLACEMENT                |             |               |              |
|-----------|--------------------------|----------|------|--------------------|-----------|--------------------------|-------|------|--------------------|--------------------------------|-------------|---------------|--------------|
| DEPTH FT. | DRILLERS LOG - SOIL TYPE | VOLTS    | AMPS | COMMENTS / ANODE # | DEPTH FT. | DRILLERS LOG - SOIL TYPE | VOLTS | AMPS | COMMENTS / ANODE # | ANODE NO.                      | ANODE DEPTH | AMPS W/O COKE | AMPS W/ COKE |
| 0         | BROWN SAND               | 13.70    |      | CASING             | 250       | GRAY SANDY SHALE         |       | 1.60 |                    | 1                              | 270         | 3.50          | 5.90         |
| 5         | BROWN SAND               |          |      | CASING             | 255       | GRAY SANDY SHALE         |       | 1.90 | #2-258             | 2                              | 258         | 1.90          | 4.70         |
| 10        | BROWN SAND               |          |      | CASING             | 260       | GRAY SANDY SHALE         |       | 1.80 |                    | 3                              | 246         | 1.70          | 4.40         |
| 15        | BROWN SAND               |          |      | CASING             | 265       | GRAY SANDY SHALE         |       | 2.30 |                    | 4                              | 234         | 2.60          | 5.00         |
| 20        | GRAY CLAY                |          |      | CASING             | 270       | GRAY SANDY SHALE         |       | 3.50 | #1-270             | 5                              | 222         | 2.80          | 5.30         |
| 25        | GRAY CLAY                |          |      |                    | 275       | GRAY SANDSTONE           |       | 3.70 |                    | 6                              | 210         | 2.50          | 5.30         |
| 30        | GRAY CLAY                |          |      |                    | 280       | GRAY SANDSTONE           |       | 2.80 |                    | 7                              | 198         | 3.00          | 5.70         |
| 35        | BROWN SANDSTONE          |          |      |                    | 285       | SHALE                    |       |      |                    | 8                              | 186         | 1.90          | 4.80         |
| 40        | BROWN SANDSTONE          |          |      |                    | 290       | SHALE                    |       |      |                    | 9                              | 174         | 1.40          | 3.30         |
| 45        | BROWN SANDSTONE          |          |      |                    | 295       | SHALE                    |       |      |                    | 10                             | 162         | 1.20          | 2.90         |
| 50        | BROWN SANDSTONE          |          |      |                    | 300       | SHALE                    |       |      |                    | 11                             |             |               |              |
| 55        | BROWN SANDSTONE          |          |      |                    | 305       |                          |       |      |                    | 12                             |             |               |              |
| 60        | BROWN SANDSTONE          |          |      |                    | 310       |                          |       |      |                    | 13                             |             |               |              |
| 65        | BROWN SANDSTONE          |          |      |                    | 315       |                          |       |      |                    | 14                             |             |               |              |
| 70        | BROWN SANDSTONE          |          |      |                    | 320       |                          |       |      |                    | 15                             |             |               |              |
| 75        | BROWN SANDSTONE          |          |      |                    | 325       |                          |       |      |                    | 16                             |             |               |              |
| 80        | BROWN SANDSTONE          |          | 0.30 |                    | 330       |                          |       |      |                    | 17                             |             |               |              |
| 85        | BROWN SANDSTONE          |          | 0.30 |                    | 335       |                          |       |      |                    | 18                             |             |               |              |
| 90        | BROWN SANDSTONE          |          | 0.30 |                    | 340       |                          |       |      |                    | 19                             |             |               |              |
| 95        | BROWN SANDSTONE          |          | 0.20 |                    | 345       |                          |       |      |                    | 20                             |             |               |              |
| 100       | BROWN SANDSTONE          |          | 0.30 |                    | 350       |                          |       |      |                    | 21                             |             |               |              |
| 105       | BROWN SANDSTONE          |          | 0.50 |                    | 355       |                          |       |      |                    | 22                             |             |               |              |
| 110       | BROWN SANDSTONE          |          | 0.60 |                    | 360       |                          |       |      |                    | 23                             |             |               |              |
| 115       | BROWN SANDSTONE          |          | 0.90 |                    | 365       |                          |       |      |                    | 24                             |             |               |              |
| 120       | BROWN SANDSTONE          |          | 0.80 |                    | 370       |                          |       |      |                    | 25                             |             |               |              |
| 125       | GRAY SANDSTONE           |          | 0.60 |                    | 375       |                          |       |      |                    | GROUND BED RESISTANCE          |             |               |              |
| 130       | GRAY SANDSTONE           |          | 0.80 |                    | 380       |                          |       |      |                    |                                |             |               |              |
| 135       | GRAY SANDSTONE           |          | 0.70 |                    | 385       |                          |       |      |                    | TOTAL VOLTS: 13.70             |             |               |              |
| 140       | GRAY SANDSTONE           |          | 0.30 |                    | 390       |                          |       |      |                    | TOTAL AMPS: 14.60              |             |               |              |
| 145       | GRAY SANDSTONE           |          | 0.40 |                    | 395       |                          |       |      |                    |                                |             |               |              |
| 150       | GRAY SANDSTONE           |          | 0.70 |                    | 400       |                          |       |      |                    |                                |             |               |              |
| 155       | BROWN SANDSTONE          |          | 0.70 |                    | 405       |                          |       |      |                    |                                |             |               |              |
| 160       | BROWN SANDSTONE          |          | 0.90 | #10-162            | 410       |                          |       |      |                    |                                |             |               |              |
| 165       | BROWN SANDSTONE          |          | 1.20 |                    | 415       |                          |       |      |                    |                                |             |               |              |
| 170       | BROWN SANDSTONE          |          | 1.10 |                    | 420       |                          |       |      |                    |                                |             |               |              |
| 175       | GRAY SANDSTONE           |          | 1.40 | #9-174             | 425       |                          |       |      |                    |                                |             |               |              |
| 180       | GRAY SANDSTONE           |          | 2.00 |                    | 430       |                          |       |      |                    |                                |             |               |              |
| 185       | GRAY SANDSTONE           |          | 1.80 | #8-176             | 435       |                          |       |      |                    |                                |             |               |              |
| 190       | GRAY SANDSTONE           |          | 2.20 |                    | 440       |                          |       |      |                    |                                |             |               |              |
| 195       | GRAY SANDSTONE           |          | 2.70 |                    | 445       |                          |       |      |                    |                                |             |               |              |
| 200       | GRAY SANDSTONE           |          | 2.90 | #7-198             | 450       |                          |       |      |                    |                                |             |               |              |
| 205       | SHALE                    |          | 3.20 |                    | 455       |                          |       |      |                    |                                |             |               |              |
| 210       | SHALE                    |          | 2.70 | #6-210             | 460       |                          |       |      |                    |                                |             |               |              |
| 215       | SHALE                    |          | 2.30 |                    | 465       |                          |       |      |                    |                                |             |               |              |
| 220       | SHALE                    | injected | 2.70 | #5-222             | 470       |                          |       |      |                    |                                |             |               |              |
| 225       | SHALE                    |          | 2.60 |                    | 475       |                          |       |      |                    |                                |             |               |              |
| 230       | SHALE                    |          | 2.30 |                    | 480       |                          |       |      |                    |                                |             |               |              |
| 235       | SHALE                    |          | 2.40 | #4-234             | 485       |                          |       |      |                    |                                |             |               |              |
| 240       | SHALE                    |          | 1.90 |                    | 490       |                          |       |      |                    |                                |             |               |              |
| 245       | SAND SHALE (GRAY)        |          | 1.70 | #3-246             | 495       |                          |       |      |                    |                                |             |               |              |
|           |                          |          |      |                    |           |                          |       |      |                    | PP 7.5.1.24 Effective 11/13/12 |             |               |              |