

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

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

OPERATOR: BR  
FARMINGTON, NM 87401  
PHONE: 599-3400

**LOCATION INFORMATION**

API NUMBER: 3004534872

WELL NAME OR PIPELINE SERVED: HUERFANITO UNIT 87N

LEGAL LOCATION: 01 026N 009W

INSTALLATION DATE:

10/7/2013

PPCO. RECTIFIER NO.: 10655W

ADDITIONAL WELLS: N/A

TYPE OF LEASE:

LEASE NUMBER:

SF-078135

**GROUND BED INFORMATION**

TOTAL DEPTH: 300' CASING DIAMETER: 8" TYPE OF CASING: PVC CASING DEPTH: 80' CASING CEMENTED

TOP ANODE DEPTH: 169'

BOTTOM ANODE DEPTH: 277'

ANODE DEPTHS: 169, 181, 193, 205, 217, 229, 241, 253, 265, 277

AMOUNT OF COKE: 50 BAGS

**WATER INFORMATION**

WATER DEPTH (1): 150'

WATER DEPTH (2): —

GAS DEPTH: —

CEMENT PLUGS: —

RCVD OCT 22 '13  
OIL CONS. DIV.  
DIST. 3

**OTHER INFORMATION**

TOP OF VENT PERFORATIONS: 160'

VENT PIPE DEPTH: 300'

REMARKS:

COKE DEPT 150'

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, Nov

ea

COMPANY: ConocoPhillips  
 COMPANY REP.: JOHN TAFOYA  
 LOCATION: HUERFANITO 87N  
 JOB NO.: 340140532  
 FOREMAN: RON LUNA  
 DRILLER: DARREL FERRIER

DATE: 10/7/2013  
 DIA. HOLE: 7 7/8  
 DEPTH: 300'  
 COKE TYPE: SW  
 # OF COKE: 50 BAGS  
 # OF BENTONITE: 0

CASING: SCH40 PVC  
 DIAMETER: 8"  
 CASING DEPTH: 80'  
 # OF ANODES: 10  
 ANODE TYPE: 2284Z  
 ANODE LEAD: HWMPE#8

**corrpro**

RECTIFIER MFG: \_\_\_\_\_  
 MODEL: \_\_\_\_\_  
 SERIAL #: \_\_\_\_\_

V-DC: \_\_\_\_\_ A-DC: \_\_\_\_\_

| WELL LOG     |                             |       |      |                       |              |                             |       |      |                       | ANODE PLACEMENT                                                                                                                                                                                           |                |                  |                 |
|--------------|-----------------------------|-------|------|-----------------------|--------------|-----------------------------|-------|------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-----------------|
| DEPTH<br>FT. | DRILLERS LOG -<br>SOIL TYPE | VOLTS | AMPS | COMMENTS /<br>ANODE # | DEPTH<br>FT. | DRILLERS LOG -<br>SOIL TYPE | VOLTS | AMPS | COMMENTS /<br>ANODE # | ANODE<br>NO.                                                                                                                                                                                              | ANODE<br>DEPTH | AMPS<br>W/O COKE | AMPS<br>W/ COKE |
| 0            | Sand                        |       |      | Casing                | 250          | Grey Sand Stone             |       | 1.70 |                       | 1                                                                                                                                                                                                         | 277            | 1.20             | 5.10            |
| 5            | Sand                        |       |      | Casing                | 255          | Grey Sand Stone             |       | 1.70 |                       | 2                                                                                                                                                                                                         | 265            | 1.20             | 5.30            |
| 10           | Sand                        |       |      | Casing                | 260          | Grey Sand Stone             |       | 1.40 |                       | 3                                                                                                                                                                                                         | 253            | 1.70             | 5.60            |
| 15           | Sand                        |       |      | Casing                | 265          | Grey Sand Stone             |       | 1.30 |                       | 4                                                                                                                                                                                                         | 241            | 1.00             | 5.10            |
| 20           | Sand                        |       |      | Casing                | 270          | Grey Sand Stone             |       | 1.40 |                       | 5                                                                                                                                                                                                         | 229            | 2.60             | 6.40            |
| 25           | Sand                        |       |      | Casing                | 275          | Grey Sand Stone             |       | 1.20 |                       | 6                                                                                                                                                                                                         | 217            | 3.70             | 9.40            |
| 30           | Sand                        |       |      | Casing                | 280          | Grey Sand Stone             |       | 2.80 |                       | 7                                                                                                                                                                                                         | 205            | 3.90             | 9.60            |
| 35           | Sand                        |       |      | Casing                | 285          | Black Shale                 |       | 3.60 |                       | 8                                                                                                                                                                                                         | 193            | 3.20             | 8.90            |
| 40           | Sand                        |       |      | Casing                | 290          | Black Shale                 |       |      |                       | 9                                                                                                                                                                                                         | 181            | 2.70             | 9.00            |
| 45           | Sand                        |       |      | Casing                | 295          | Black Shale                 |       |      |                       | 10                                                                                                                                                                                                        | 169            | 3.50             | 9.40            |
| 50           | Sand                        |       |      | Casing                | 300          | Black Shale                 |       |      |                       | 11                                                                                                                                                                                                        |                |                  |                 |
| 55           | Sand                        |       |      | Casing                | 305          |                             |       |      |                       | 12                                                                                                                                                                                                        |                |                  |                 |
| 60           | Sand                        |       |      | Casing                | 310          |                             |       |      |                       | 13                                                                                                                                                                                                        |                |                  |                 |
| 65           | Sand                        |       |      | Casing                | 315          |                             |       |      |                       | 14                                                                                                                                                                                                        |                |                  |                 |
| 70           | Sand                        |       |      | Casing                | 320          |                             |       |      | TD: 294'              | 15                                                                                                                                                                                                        |                |                  |                 |
| 75           | Sand                        |       |      | Casing                | 325          |                             |       |      | Vent Pipe Depth: 300' | 16                                                                                                                                                                                                        |                |                  |                 |
| 80           | Sand                        |       | 3.80 | Casing                | 330          |                             |       |      |                       | 17                                                                                                                                                                                                        |                |                  |                 |
| 85           | Grey Shale                  |       | 3.00 |                       | 335          |                             |       |      |                       | 18                                                                                                                                                                                                        |                |                  |                 |
| 90           | Grey Shale                  |       | 2.90 |                       | 340          |                             |       |      |                       | 19                                                                                                                                                                                                        |                |                  |                 |
| 95           | Grey Shale                  |       | 2.20 |                       | 345          |                             |       |      |                       | 20                                                                                                                                                                                                        |                |                  |                 |
| 100          | Grey Shale                  |       | 2.00 |                       | 350          |                             |       |      |                       | 21                                                                                                                                                                                                        |                |                  |                 |
| 105          | Grey Shale                  |       | 1.70 |                       | 355          |                             |       |      |                       | 22                                                                                                                                                                                                        |                |                  |                 |
| 110          | Grey Shale                  |       | 2.80 |                       | 360          |                             |       |      |                       | 23                                                                                                                                                                                                        |                |                  |                 |
| 115          | Grey Shale                  |       | 3.50 |                       | 365          |                             |       |      |                       | 24                                                                                                                                                                                                        |                |                  |                 |
| 120          | Grey Shale                  |       | 2.90 |                       | 370          |                             |       |      |                       | 25                                                                                                                                                                                                        |                |                  |                 |
| 125          | Black Shale                 |       | 2.40 |                       | 375          |                             |       |      |                       | GROUNDBED RESISTANCE<br>TOTAL VOLTS: 13.50<br>TOTAL AMPS: 26.30<br>0.51 OHMS                                                                                                                              |                |                  |                 |
| 130          | Black Shale                 |       | 2.00 |                       | 380          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 135          | Black Shale                 |       | 3.00 |                       | 385          |                             |       |      |                       | SITE ELEVATION: 6159'<br>WATER LEVEL #1: 150'<br>WATER LEVEL #2:<br>COKE LEVEL: 150'<br>EXTRA CASING USED: 60'<br>ADDITIONAL COMMENTS:<br>0-80' - Casing Sand<br>80-160' - Dry<br>160-300' - Inject Water |                |                  |                 |
| 140          | Black Shale                 |       | 2.20 |                       | 390          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 145          | Black Shale                 |       | 1.20 |                       | 395          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 150          | Black Shale                 |       | 1.30 |                       | 400          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 155          | Black Shale                 |       | 1.20 |                       | 405          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 160          | Black Shale                 |       | 1.50 |                       | 410          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 165          | Grey Sandstone & Shale      |       | 2.40 |                       | 415          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 170          | Grey Sandstone & Shale      |       | 3.40 |                       | 420          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 175          | Grey Sandstone & Shale      |       | 3.50 |                       | 425          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 180          | Grey Sandstone & Shale      |       | 2.80 |                       | 430          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 185          | Grey Sandstone & Shale      |       | 2.30 |                       | 435          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 190          | Grey Sandstone & Shale      |       | 3.00 |                       | 440          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 195          | Grey Sandstone & Shale      |       | 3.50 |                       | 445          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 200          | Grey Sandstone & Shale      |       | 3.80 |                       | 450          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 205          | Green Shale                 |       | 3.80 |                       | 455          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 210          | Green Shale                 |       | 3.90 |                       | 460          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 215          | Green Shale                 |       | 3.00 |                       | 465          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 220          | Green Shale                 |       | 3.70 |                       | 470          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 225          | Green Shale                 |       | 2.70 |                       | 475          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 230          | Green Shale                 |       | 1.80 |                       | 480          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 235          | Green Shale                 |       | 1.20 |                       | 485          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 240          | Green Shale                 |       | 1.00 |                       | 490          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |
| 245          | Green Shale                 |       | 1.30 |                       | 495          |                             |       |      |                       |                                                                                                                                                                                                           |                |                  |                 |