

**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: **3004535128**

WELL NAME OR PIPELINE SERVED: **WALKER COM LS / 2C** LEGAL LOCATION: **32-31N-09W** INSTALLATION DATE: **4/19/2011**

PPCO. RECTIFIER NO.: **10415W** ADDITIONAL WELLS:

TYPE OF LEASE:  LEASE NUMBER: **E-1641-8**

**GROUND BED INFORMATION**

TOTAL DEPTH: **300'** CASING DIAMETER: **8"** TYPE OF CASING: **PVC** CASING DEPTH: **20'** CASING CEMENTED ☒

TOP ANODE DEPTH: **180'** BOTTOM ANODE DEPTH: **270'**

ANODE DEPTHS: **180', 194', 202', 210', 230', 238', 246', 254', 262', 270'**

AMOUNT OF COKE: **50 BAGS**

**WATER INFORMATION**

WATER DEPTH (1):  WATER DEPTH (2):

GAS DEPTH:  CEMENT PLUGS:



**OTHER INFORMATION**

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

REMARKS:

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.



COMPANY: Conoco Phillips  
COMPANY REP.: Randy Smith  
LOCATION: WALKER COM LS /2C  
JOB NO.: 140799  
FOREMAN: Ron Luna  
DRILLER: Darrel Ferrier

DATE: 4/19/2011  
DIA. HOLE: 7 7/8"  
DEPTH: 300  
COKE TYPE: SW  
# OF COKE: 50 bags  
# OF BENTONITE: 0

CASING: SCH 40 PVC  
DIAMETER: 8"  
CASING DEPTH: 20'  
# OF ANODES: 10  
ANODE TYPE: 2284Z  
ANODE LEAD: HWMP #8

RECTIFIER MFG: MODEL: SERIAL #: A -DC:

WELL LOG

| 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            | CASING                      | 13.73 |      |                       | 250          | SHALE                       |       | 3.30 |                       | 1                     | 270            | 2.30             | 5.40            |
| 5            | CASING                      |       |      |                       | 255          | SHALE                       |       | 3.60 | 254' -Anode #3        | 2                     | 262            | 3.20             | 7.30            |
| 10           | CASING                      |       |      |                       | 260          | SHALE                       |       | 3.30 | 262' -Anode #2        | 3                     | 254            | 3.80             | 6.60            |
| 15           | CASING                      |       |      |                       | 265          | SHALE                       |       | 2.80 |                       | 4                     | 246            | 3.40             | 8.30            |
| 20           | CASING                      |       |      |                       | 270          | SHALE                       |       | 2.10 | 270' -Anode #1        | 5                     | 238            | 2.40             | 7.40            |
| 25           | BROWN SANDSTONE             |       |      |                       | 275          | GRAY SANDSTONE              |       | 1.40 |                       | 6                     | 230            | 1.20             | 4.00            |
| 30           | BROWN SANDSTONE             |       |      |                       | 280          | GRAY SANDSTONE              |       | 1.30 |                       | 7                     | 210            | 1.30             | 3.70            |
| 35           | SHALE                       |       |      |                       | 285          | GRAY SANDSTONE              |       |      |                       | 8                     | 202            | 1.70             | 38.00           |
| 40           | SHALE                       |       |      |                       | 290          | GRAY SANDSTONE              |       |      |                       | 9                     | 194            | 0.70             | 3.60            |
| 45           | SHALE                       |       |      |                       | 295          | GRAY SANDSTONE              |       |      |                       | 10                    | 180            | 1.00             | 2.60            |
| 50           | SHALE                       |       |      |                       | 300          | GRAY SANDSTONE              |       |      |                       | 11                    |                |                  |                 |
| 55           | SHALE                       |       |      |                       | 305          |                             |       |      |                       | 12                    |                |                  |                 |
| 60           | SHALE                       |       |      |                       | 310          |                             |       |      |                       | 13                    |                |                  |                 |
| 65           | BROWN SANDSTONE             |       |      |                       | 315          |                             |       |      |                       | 14                    |                |                  |                 |
| 70           | BROWN SANDSTONE             |       |      |                       | 320          |                             |       |      |                       | 15                    |                |                  |                 |
| 75           | BROWN SANDSTONE             |       |      |                       | 325          |                             |       |      |                       | 16                    |                |                  |                 |
| 80           | BROWN SANDSTONE             | 2.10  |      |                       | 330          |                             |       |      |                       | 17                    |                |                  |                 |
| 85           | SHALE                       | 2.30  |      |                       | 335          |                             |       |      |                       | 18                    |                |                  |                 |
| 90           | SHALE                       | 2.30  |      |                       | 340          |                             |       |      |                       | 19                    |                |                  |                 |
| 95           | SHALE                       | 2.30  |      |                       | 345          |                             |       |      |                       | 20                    |                |                  |                 |
| 100          | SHALE                       | 1.80  |      |                       | 350          |                             |       |      |                       | 21                    |                |                  |                 |
| 105          | GRAY SANDSTONE              | 0.50  |      |                       | 355          |                             |       |      |                       | 22                    |                |                  |                 |
| 110          | GRAY SANDSTONE              | 0.20  |      |                       | 360          |                             |       |      |                       | 23                    |                |                  |                 |
| 115          | GRAY SANDSTONE              | 0.20  |      |                       | 365          |                             |       |      |                       | 24                    |                |                  |                 |
| 120          | GRAY SANDSTONE              | 0.20  |      |                       | 370          |                             |       |      |                       | 25                    |                |                  |                 |
| 125          | GRAY SANDSTONE              | 0.60  |      |                       | 375          |                             |       |      |                       | GROUNDBED RESISTANCE  |                |                  |                 |
| 130          | GRAY SANDSTONE              | 0.50  |      |                       | 380          |                             |       |      |                       | TOTAL                 |                |                  |                 |
| 135          | GRAY SANDSTONE              | 0.40  |      |                       | 385          |                             |       |      |                       | 13.73                 |                |                  |                 |
| 140          | GRAY SANDSTONE              | 0.50  |      |                       | 390          |                             |       |      |                       | 16.20                 |                |                  |                 |
| 145          | GRAY SANDSTONE              | 0.60  |      |                       | 395          |                             |       |      |                       | OHMS                  |                |                  |                 |
| 150          | GRAY SANDSTONE              | 0.60  |      |                       | 400          |                             |       |      |                       | 0.86                  |                |                  |                 |
| 155          | GRAY SANDSTONE              | 0.40  |      |                       | 405          |                             |       |      |                       | SITE ELEVATION: 6310  |                |                  |                 |
| 160          | GRAY SANDSTONE              | 0.50  |      |                       | 410          |                             |       |      |                       | WATER CONDUCTIVITY: 3 |                |                  |                 |
| 165          | GRAY SANDSTONE              | 0.50  |      |                       | 415          |                             |       |      |                       | ADDITIONAL COMMENTS:  |                |                  |                 |
| 170          | GRAY SANDSTONE              | 0.60  |      |                       | 420          |                             |       |      |                       | COKE @ 120ft.         |                |                  |                 |
| 175          | GRAY SANDSTONE              | 0.80  |      |                       | 425          |                             |       |      |                       |                       |                |                  |                 |
| 180          | GRAY SANDSTONE              | 1.00  |      | 180' -Anode #10       | 430          |                             |       |      |                       |                       |                |                  |                 |
| 185          | GRAY SANDY/SHALE            | 0.80  |      |                       | 435          |                             |       |      |                       |                       |                |                  |                 |
| 190          | GRAY SANDY/SHALE            | 0.70  |      |                       | 440          |                             |       |      |                       |                       |                |                  |                 |
| 195          | GRAY SANDY/SHALE            | 1.00  |      | 194' -Anode #9        | 445          |                             |       |      |                       |                       |                |                  |                 |
| 200          | GRAY SANDY/SHALE            | 1.40  |      | 202' -Anode #8        | 450          |                             |       |      |                       |                       |                |                  |                 |
| 205          | GRAY SANDY/SHALE            | 1.50  |      |                       | 455          |                             |       |      |                       |                       |                |                  |                 |
| 210          | GRAY SANDY/SHALE            | 1.00  |      | 210' -Anode #7        | 460          |                             |       |      |                       |                       |                |                  |                 |
| 215          | GRAY SANDY/SHALE            | 0.70  |      |                       | 465          |                             |       |      |                       |                       |                |                  |                 |
| 220          | GRAY SANDY/SHALE            | 1.00  |      |                       | 470          |                             |       |      |                       |                       |                |                  |                 |
| 225          | GRAY SANDY/SHALE            | 0.90  |      |                       | 475          |                             |       |      |                       |                       |                |                  |                 |
| 230          | GRAY SANDY/SHALE            | 1.10  |      | 230' -Anode #5        | 480          |                             |       |      |                       |                       |                |                  |                 |
| 235          | GRAY SANDY/SHALE            | 2.30  |      |                       | 485          |                             |       |      |                       |                       |                |                  |                 |
| 240          | GRAY SANDY/SHALE            | 3.10  |      | 238' -Anode #5        | 490          |                             |       |      |                       |                       |                |                  |                 |
| 245          | SHALE                       | 3.40  |      | 246' -Anode #4        | 495          |                             |       |      |                       |                       |                |                  |                 |