

**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: **3004535078**

WELL NAME OR PIPELINE SERVED: **HOUCK COM / 100**

LEGAL LOCATION: **07-29N-10W**

INSTALLATION DATE: **7/12/2011**

PPCO RECTIFIER NO.: **10421W**

ADDITIONAL WELLS:

TYPE OF LEASE:

LEASE NUMBER: **SF-078717**

**GROUND BED INFORMATION**

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

TOP ANODE DEPTH: **167'**

BOTTOM ANODE DEPTH: **275'**

ANODE DEPTHS: **167', 179', 191', 203', 215', 227', 239', 251', 263', 275'**

AMOUNT OF COKE: **50 BAGS**

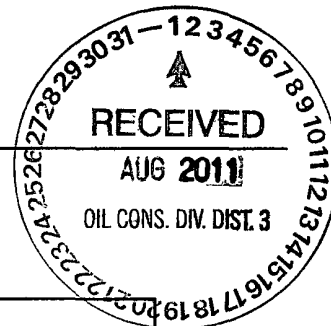
**WATER INFORMATION**

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.

Wednesday, Nove

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COMPANY: Conoco Phillips  
 COMPANY REP.: Randy Smith  
 LOCATION: HOUCK COM / 100  
 JOB NO.: 140803  
 FOREMAN: Ron Luna  
 DRILLER: Darrel Ferrier

DATE: 7/12/2011  
 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: 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            | CASING                      | 13.20 |      |                       | 250          | SHALE                       |       | 7.00 |                       | 1                                                                                              | 275            | 7.30             | 11.00           |
| 5            | CASING                      |       |      |                       | 255          | SHALE                       |       | 5.90 |                       | 2                                                                                              | 263            | 7.30             | 12.60           |
| 10           | CASING                      |       |      |                       | 260          | SHALE                       |       | 6.90 |                       | 3                                                                                              | 251            | 6.80             | 11.70           |
| 15           | CASING                      |       |      |                       | 265          | SHALE                       |       | 7.30 |                       | 4                                                                                              | 239            | 7.00             | 12.30           |
| 20           | CASING                      |       |      |                       | 270          | SHALE                       |       | 7.30 |                       | 5                                                                                              | 227            | 8.10             | 12.70           |
| 25           | GRAY SANDSTONE              |       |      |                       | 275          | SHALE                       |       | 7.20 |                       | 6                                                                                              | 215            | 5.20             | 10.00           |
| 30           | GRAY SANDSTONE              |       |      |                       | 280          | SHALE                       |       | 7.00 |                       | 7                                                                                              | 203            | 5.60             | 10.00           |
| 35           | GRAY SANDSTONE              |       |      |                       | 285          | SHALE                       |       | 6.80 |                       | 8                                                                                              | 191            | 4.20             | 8.50            |
| 40           | GRAY SANDSTONE              |       |      |                       | 290          | SHALE                       |       |      |                       | 9                                                                                              | 179            | 4.40             | 8.30            |
| 45           | GRAY SANDSTONE              |       |      |                       | 295          | SHALE                       |       |      |                       | 10                                                                                             | 167            | 3.60             | 7.60            |
| 50           | GRAY SANDSTONE              |       |      |                       | 300          | SHALE                       |       |      |                       | 11                                                                                             |                |                  |                 |
| 55           | SHALE                       |       |      |                       | 305          |                             |       |      |                       | 12                                                                                             |                |                  |                 |
| 60           | SHALE                       |       |      |                       | 310          |                             |       |      |                       | 13                                                                                             |                |                  |                 |
| 65           | SHALE                       |       |      |                       | 315          |                             |       |      |                       | 14                                                                                             |                |                  |                 |
| 70           | SHALE                       |       |      |                       | 320          |                             |       |      |                       | 15                                                                                             |                |                  |                 |
| 75           | SHALE                       |       |      |                       | 325          |                             |       |      |                       | 16                                                                                             |                |                  |                 |
| 80           | SHALE                       |       | 7.00 |                       | 330          |                             |       |      |                       | 17                                                                                             |                |                  |                 |
| 85           | SHALE                       |       | 8.60 |                       | 335          |                             |       |      |                       | 18                                                                                             |                |                  |                 |
| 90           | SHALE                       |       | 8.60 |                       | 340          |                             |       |      |                       | 19                                                                                             |                |                  |                 |
| 95           | SHALE                       |       | 6.00 |                       | 345          |                             |       |      |                       | 20                                                                                             |                |                  |                 |
| 100          | SHALE                       |       | 4.50 |                       | 350          |                             |       |      |                       | 21                                                                                             |                |                  |                 |
| 105          | GRAY SANDSTONE              |       | 4.70 |                       | 355          |                             |       |      |                       | 22                                                                                             |                |                  |                 |
| 110          | GRAY SANDSTONE              |       | 4.70 |                       | 360          |                             |       |      |                       | 23                                                                                             |                |                  |                 |
| 115          | GRAY SANDSTONE              |       | 5.60 |                       | 365          |                             |       |      |                       | 24                                                                                             |                |                  |                 |
| 120          | GRAY SANDSTONE              |       | 7.10 |                       | 370          |                             |       |      |                       | 25                                                                                             |                |                  |                 |
| 125          | SHALE                       |       | 7.90 |                       | 375          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 130          | SHALE                       |       | 7.70 |                       | 380          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 135          | SHALE                       |       | 7.90 |                       | 385          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 140          | SHALE                       |       | 7.10 |                       | 390          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 145          | SHALE                       |       | 6.90 |                       | 395          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 150          | SHALE                       |       | 6.00 |                       | 400          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 155          | SHALE                       |       | 4.80 |                       | 405          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 160          | SHALE                       |       | 3.80 |                       | 410          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 165          | GRAY SANDSTONE              |       | 3.50 |                       | 415          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 170          | GRAY SANDSTONE              |       | 3.60 |                       | 420          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 175          | GRAY SANDSTONE              |       | 4.20 |                       | 425          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 180          | GRAY SANDSTONE              | WET   | 4.20 |                       | 430          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 185          | GRAY SANDSTONE              | ▼     | 3.90 |                       | 435          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 190          | GRAY SANDSTONE              |       | 4.10 |                       | 440          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 195          | GRAY SANDSTONE              |       | 4.70 |                       | 445          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 200          | GRAY SANDSTONE              |       | 5.40 |                       | 450          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 205          | SHALE                       |       | 5.10 |                       | 455          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 210          | SHALE                       |       | 5.00 |                       | 460          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 215          | SHALE                       |       | 5.60 |                       | 465          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 220          | SHALE                       |       | 7.60 |                       | 470          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 225          | SHALE                       |       | 7.80 |                       | 475          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 230          | SHALE                       |       | 7.20 |                       | 480          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 235          | SHALE                       |       | 6.80 |                       | 485          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 240          | SHALE                       |       | 7.00 |                       | 490          |                             |       |      |                       |                                                                                                |                |                  |                 |
| 245          | SHALE                       |       | 7.40 |                       | 495          |                             |       |      |                       |                                                                                                |                |                  |                 |
|              |                             |       |      |                       |              |                             |       |      |                       | TOTAL VOLTS: <u>13.20</u><br>TOTAL AMPS: <u>35.00</u><br><br><u>0.38</u> OHMS                  |                |                  |                 |
|              |                             |       |      |                       |              |                             |       |      |                       | SITE ELEVATION: 5796'<br>WATER CONDUCTIVITY:<br>ADDITIONAL COMMENTS:<br>Inject water 180'-300' |                |                  |                 |
|              |                             |       |      |                       |              |                             |       |      |                       | COKE LEVEL: 142 FT                                                                             |                |                  |                 |
|              |                             |       |      |                       |              |                             |       |      |                       | EXTRA CASING USED: N/A                                                                         |                |                  |                 |