

RECEIVED  
MAY 31 1991  
OIL CON. DIV  
DIST. 3

4399

30-045-09465

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit K Sec. 16 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced DELHI COM #1

CDS 19W

Elevation 5690' Completion Date 6/26/64 Total Depth 315' Land Type\* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 150' (on abandoned hole)

Depths gas encountered: N/A

Type & amount of coke breeze used: 32 SACKS

Depths anodes placed: 170', 164', 158', (hole caved), 58', 52', 46'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2 DRILLED 220' HOLE & ABANDONED WHEN CAVED. DRILLED 52' HOLE &

ABANDONED WHEN CAVED. ON 3RD HOLE GOT 3 ANODES IN WHEN CAVED AND STOPPED HOLE AT 58'  
COKE BREEZE DID NOT GET DOWN TO BOTTOM 3 ANODES.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned 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.

WELL CASING  
CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

Date 6-26-64

|                                                   |                                          |                                                                                 |                                                       |                                          |                |
|---------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------|----------------|
| Well Name<br><b>Delhi State No. 1</b>             |                                          | 7704X = 178-1909 = 35<br>7781 = 40-10758 = 20                                   |                                                       | CPS No.<br><b>19W</b>                    |                |
| Location<br><b>S/W 26-30-8</b>                    |                                          | 10753 = 120-10765 = 55<br>10757 = 80                                            |                                                       | Work Order No.<br><b>164-52452-90-54</b> |                |
| Anode Hole Depth<br><b>315'</b>                   | Total Drilling Rig Time<br><b>84 Hrs</b> | Type & Size Bit Used <b>6435X = 22'</b><br><b>6 1/4, -7700X = 14, -5714 = 6</b> |                                                       | No. Sacks Mud Used<br><b>14</b>          |                |
| No. Sacks Lost Circulation Mat'l Used<br><b>2</b> | Anode Depth<br># 1 <b>170</b>            | # 2 <b>164</b>                                                                  | # 3 <b>158</b>                                        | # 4 <b>58</b>                            | # 5 <b>52</b>  |
| Total Lbs. Coke Used<br><b>22 Sacks - (4800)</b>  | Anode Output (Volts)<br># 1 <b>2.6</b>   | # 2 <b>2.5</b>                                                                  | # 3 <b>4.2</b>                                        | # 4 <b>5.3</b>                           | # 5 <b>6.3</b> |
| Total Circuit Resistance<br>Volts <b>11.3</b>     | Amps <b>11.7</b>                         | Ohms <b>96</b>                                                                  | No. Ft. Surface Cable Conduit<br><b>830' of No. 2</b> |                                          |                |

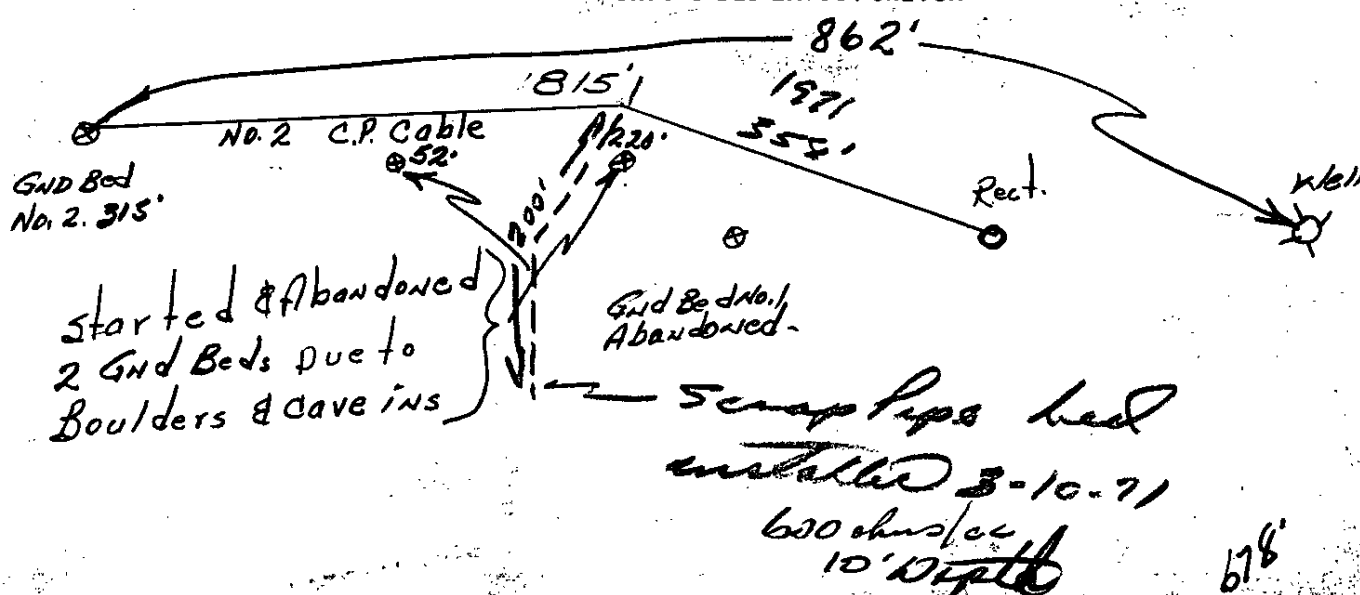
Drilling Log (Attach Hereto). ☒

Remarks: Drilled 220' Hole & Abandoned. Making water & caving in.  
Drilled 52' on second Hole & Abandoned, Boulders & cave in.  
Drilled 3<sup>rd</sup> Hole 315' Boulders Fell in, Pulled Rock Bit in two  
leaving Part of Bit in Hole Got Bottom Anode to 170' After  
3<sup>rd</sup> Anode at 158' Hole caved & Boulders stopped Hole at 58'  
Coke breeze Did not Get Down to Bottom 3 Anodes-

### All Construction Completed

*Perrels*  
(Signature)

### GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY  
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Delli State WELL NO. 1 CONTRACTOR L. A. Wilson RIG NO. D-6 REPORT NO. 6-9-64-11 DATE 6-9-64

MORNING

DAYLIGHT

EVENING

| Driller                                                                                                                                                                                                                                                                                      |     |                |        | Total Men In Crew                                                                                                                                                                                                                                           |      |     |                | Driller                                                                                                                                                                                                                                                                                      |        |      |    | Total Men In Crew |        |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----|-------------------|--------|--------|--|
| FROM                                                                                                                                                                                                                                                                                         | TO  | FORMATION      | WT-BIT | R.P.M.                                                                                                                                                                                                                                                      | FROM | TO  | FORMATION      | WT-BIT                                                                                                                                                                                                                                                                                       | R.P.M. | FROM | TO | FORMATION         | WT-BIT | R.P.M. |  |
| 130                                                                                                                                                                                                                                                                                          | 165 | Shale          |        |                                                                                                                                                                                                                                                             | 130  | 165 | Shale          |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| 165                                                                                                                                                                                                                                                                                          | 220 | Sandstone Hard |        |                                                                                                                                                                                                                                                             | 165  | 220 | Sandstone Hard |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| 220                                                                                                                                                                                                                                                                                          | 220 | Shale          |        |                                                                                                                                                                                                                                                             |      |     |                |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| 220                                                                                                                                                                                                                                                                                          | 220 | Sandstone      |        |                                                                                                                                                                                                                                                             |      |     |                |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| 220                                                                                                                                                                                                                                                                                          | 220 | Sandstone      |        |                                                                                                                                                                                                                                                             |      |     |                |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| BIT NO. <u>6435X</u> NO. DC <u>220</u> LENS. <u>220</u><br>SERIAL NO. <u>6435X</u> NO. DC <u>220</u> LENS. <u>220</u><br>SIZE <u>6 1/4</u> STANDS <u>220</u><br>TYPE <u>SINGLES</u><br>MAKE <u>6 1/4</u> DOWN ON KELLY <u>220</u><br>TOTAL DEPTH <u>220</u>                                  |     |                |        | BIT NO. <u>7700X</u> NO. DC <u>220</u> LENS. <u>220</u><br>SERIAL NO. <u>7700X</u> NO. DC <u>220</u> LENS. <u>220</u><br>SIZE <u>6 1/4</u> STANDS <u>220</u><br>TYPE <u>SINGLES</u><br>MAKE <u>6 1/4</u> DOWN ON KELLY <u>220</u><br>TOTAL DEPTH <u>220</u> |      |     |                |                                                                                                                                                                                                                                                                                              |        |      |    |                   |        |        |  |
| REMARKS -<br><u>6-9-64 moved from last loc at 2:00 PM. Moved and Setup Left Rig at 5:00 PM.</u><br><u>6-10-64 moved from last loc at 6:00 AM. Drilled 120 ft before 5:00 PM.</u><br><u>6-11-64 moved from last loc at 6:00 AM. Drilled from 120 ft to 220 ft. finished hole at 1:30 P.M.</u> |     |                |        |                                                                                                                                                                                                                                                             |      |     |                | REMARKS -<br><u>6-9-64 moved from last loc at 2:00 PM. Moved and Setup Left Rig at 5:00 PM.</u><br><u>6-10-64 moved from last loc at 6:00 AM. Drilled 120 ft before 5:00 PM.</u><br><u>6-11-64 moved from last loc at 6:00 AM. Drilled from 120 ft to 220 ft. finished hole at 1:30 P.M.</u> |        |      |    |                   |        |        |  |

SIGNED: Toolpusher

Company Supervisor

*Oil Barrels*

EL PASO NATURAL GAS COMPANY  
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Del Rio State WELL NO. 1 CONTRACTOR McWilson RIG NO. D-6 REPORT NO. 1964 DATE 6-16 19 64

| MORNING                                                                                        |       |                 |                                   | DAYLIGHT                                                                                       |         |      |       | EVENING                                                                                        |                                   |        |         |                                                                                                |       |           |                                   |        |  |  |    |     |
|------------------------------------------------------------------------------------------------|-------|-----------------|-----------------------------------|------------------------------------------------------------------------------------------------|---------|------|-------|------------------------------------------------------------------------------------------------|-----------------------------------|--------|---------|------------------------------------------------------------------------------------------------|-------|-----------|-----------------------------------|--------|--|--|----|-----|
| Total Men In Crew                                                                              |       |                 |                                   | Total Men In Crew                                                                              |         |      |       | Total Men In Crew                                                                              |                                   |        |         |                                                                                                |       |           |                                   |        |  |  |    |     |
| Driller                                                                                        | TO    | FORMATION       | WT-BIT                            | R.P.M.                                                                                         | Driller | FROM | TO    | FORMATION                                                                                      | WT-BIT                            | R.P.M. | Driller | FROM                                                                                           | TO    | FORMATION | WT-BIT                            | R.P.M. |  |  |    |     |
| 9.16                                                                                           | 16    | Agard           |                                   |                                                                                                | 32      | 32   | 32    | Agard                                                                                          |                                   |        | 32      | 32                                                                                             | 32    | Agard     |                                   |        |  |  |    |     |
| 16.32                                                                                          | 32    | Moved to 6 No 1 |                                   |                                                                                                | 47      | 47   | 47    | Agard                                                                                          |                                   |        | 47      | 47                                                                                             | 47    | Agard     |                                   |        |  |  |    |     |
|                                                                                                |       |                 |                                   |                                                                                                | 65      | 65   | 65    | Agard                                                                                          |                                   |        | 65      | 65                                                                                             | 65    | Agard     |                                   |        |  |  |    |     |
|                                                                                                |       |                 |                                   |                                                                                                | 120     | 120  | 120   | Agard                                                                                          |                                   |        | 120     | 120                                                                                            | 120   | Agard     |                                   |        |  |  |    |     |
| BIT NO.                                                                                        |       | NO. DC          | SIZE                              | LENG.                                                                                          | NO. DC  | SIZE | LENG. | NO. DC                                                                                         | SIZE                              | LENG.  | NO. DC  | SIZE                                                                                           | LENG. | NO. DC    | SIZE                              | LENG.  |  |  |    |     |
| SERIAL NO.                                                                                     | 1909  | new             | to 35 ft                          | 406                                                                                            | NO. DC  | SIZE | LENG. | NO. DC                                                                                         | SIZE                              | LENG.  | NO. DC  | SIZE                                                                                           | LENG. | NO. DC    | SIZE                              | LENG.  |  |  |    |     |
| SIZE                                                                                           | 6 1/4 |                 |                                   |                                                                                                | NO. DC  | SIZE | LENG. | NO. DC                                                                                         | SIZE                              | LENG.  | NO. DC  | SIZE                                                                                           | LENG. | NO. DC    | SIZE                              | LENG.  |  |  |    |     |
| TYPE                                                                                           | 3     |                 |                                   |                                                                                                | NO. DC  | SIZE | LENG. | NO. DC                                                                                         | SIZE                              | LENG.  | NO. DC  | SIZE                                                                                           | LENG. | NO. DC    | SIZE                              | LENG.  |  |  |    |     |
| MAKE                                                                                           | W.M.  |                 |                                   |                                                                                                | NO. DC  | SIZE | LENG. | NO. DC                                                                                         | SIZE                              | LENG.  | NO. DC  | SIZE                                                                                           | LENG. | NO. DC    | SIZE                              | LENG.  |  |  |    |     |
| MUD RECORD                                                                                     |       |                 |                                   | MUD RECORD                                                                                     |         |      |       | MUD RECORD                                                                                     |                                   |        |         | MUD RECORD                                                                                     |       |           |                                   |        |  |  |    |     |
| Time                                                                                           | WT    | Vis             | Time                              |                                                                                                |         |      | WT    | Vis                                                                                            | Time                              |        |         |                                                                                                | WT    | Vis       | Time                              |        |  |  | WT | Vis |
| 10.758                                                                                         |       |                 | 10.758                            |                                                                                                |         |      |       |                                                                                                | 10.758                            |        |         |                                                                                                |       |           | 10.758                            |        |  |  |    |     |
| 10.753                                                                                         |       |                 | 10.753                            |                                                                                                |         |      |       |                                                                                                | 10.753                            |        |         |                                                                                                |       |           | 10.753                            |        |  |  |    |     |
| 4 Sued Bits                                                                                    |       |                 | 4 Sued Bits                       |                                                                                                |         |      |       |                                                                                                | 4 Sued Bits                       |        |         |                                                                                                |       |           | 4 Sued Bits                       |        |  |  |    |     |
| 9 Sacks Mud                                                                                    |       |                 | 9 Sacks Mud                       |                                                                                                |         |      |       |                                                                                                | 9 Sacks Mud                       |        |         |                                                                                                |       |           | 9 Sacks Mud                       |        |  |  |    |     |
| Fishing time 6 hrs as Letter Dat.                                                              |       |                 | Fishing time 6 hrs as Letter Dat. |                                                                                                |         |      |       |                                                                                                | Fishing time 6 hrs as Letter Dat. |        |         |                                                                                                |       |           | Fishing time 6 hrs as Letter Dat. |        |  |  |    |     |
| Total Fishing time 15 1/2                                                                      |       |                 | Total Fishing time 15 1/2         |                                                                                                |         |      |       |                                                                                                | Total Fishing time 15 1/2         |        |         |                                                                                                |       |           | Total Fishing time 15 1/2         |        |  |  |    |     |
| REMARKS                                                                                        |       |                 |                                   | REMARKS                                                                                        |         |      |       | REMARKS                                                                                        |                                   |        |         | REMARKS                                                                                        |       |           |                                   |        |  |  |    |     |
| 6-16-64 Moved from last loc. at 1:00 P.M. Setup Drilled to 35 ft. Off Rig 5:00 P.M.            |       |                 |                                   | 6-16-64 Moved from last loc. at 1:00 P.M. Setup Drilled to 35 ft. Off Rig 5:00 P.M.            |         |      |       | 6-16-64 Moved from last loc. at 1:00 P.M. Setup Drilled to 35 ft. Off Rig 5:00 P.M.            |                                   |        |         | 6-16-64 Moved from last loc. at 1:00 P.M. Setup Drilled to 35 ft. Off Rig 5:00 P.M.            |       |           |                                   |        |  |  |    |     |
| 6-17-64 Left yard at 6:00 A.M. arrived at rig 7:00 pm Drilled on 8 ft. below 11:30             |       |                 |                                   | 6-17-64 Left yard at 6:00 A.M. arrived at rig 7:00 pm Drilled on 8 ft. below 11:30             |         |      |       | 6-17-64 Left yard at 6:00 A.M. arrived at rig 7:00 pm Drilled on 8 ft. below 11:30             |                                   |        |         | 6-17-64 Left yard at 6:00 A.M. arrived at rig 7:00 pm Drilled on 8 ft. below 11:30             |       |           |                                   |        |  |  |    |     |
| 6-18-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |                 |                                   | 6-18-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |         |      |       | 6-18-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |                                   |        |         | 6-18-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |           |                                   |        |  |  |    |     |
| 6-19-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |                 |                                   | 6-19-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |         |      |       | 6-19-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |                                   |        |         | 6-19-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |           |                                   |        |  |  |    |     |
| 6-20-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |                 |                                   | 6-20-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |         |      |       | 6-20-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |                                   |        |         | 6-20-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |           |                                   |        |  |  |    |     |
| 6-21-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |                 |                                   | 6-21-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |         |      |       | 6-21-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |                                   |        |         | 6-21-64 Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. Drilled 10 ft. at 11:00 A.M. |       |           |                                   |        |  |  |    |     |

SIGNED: Toolpusher

Company Supervisor

*Handwritten signature*

EL PASO NATURAL GAS COMPANY  
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Walke State WELL NO. 1 CONTRACTOR P. Wilson RIG NO. D-6 REPORT NO. 6-13-24-25-1964  
MORNING DAYLIGHT EVENING

| Total Men In Crew                                                                                                                                                                                                                                                    |           |        |        | Total Men In Crew                                                                                                                                                                                                                                                    |           |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|
| Driller                                                                                                                                                                                                                                                              | FORMATION | WT-BIT | R.P.M. | Driller                                                                                                                                                                                                                                                              | FORMATION | WT-BIT | R.P.M. |
| 120                                                                                                                                                                                                                                                                  | 170       |        |        |                                                                                                                                                                                                                                                                      |           |        |        |
| 170                                                                                                                                                                                                                                                                  | 315       |        |        |                                                                                                                                                                                                                                                                      |           |        |        |
| NO. DC <u>315</u> SIZE <u>315</u> LENG. <u>315</u><br>NO. DC <u>315</u> SIZE <u>315</u> LENG. <u>315</u><br>SERIAL NO. <u>10757 new</u> <u>135 to 315</u><br>SIZE <u>6 1/4</u> SINGLES<br>TYPE <u>3 1/2</u> DOWN ON KELLY<br>MAKE <u>W.M.</u> TOTAL DEPTH <u>315</u> |           |        |        | NO. DC <u>315</u> SIZE <u>315</u> LENG. <u>315</u><br>NO. DC <u>315</u> SIZE <u>315</u> LENG. <u>315</u><br>SERIAL NO. <u>10757 new</u> <u>135 to 315</u><br>SIZE <u>6 1/4</u> SINGLES<br>TYPE <u>3 1/2</u> DOWN ON KELLY<br>MAKE <u>W.M.</u> TOTAL DEPTH <u>315</u> |           |        |        |
| MUD RECORD                                                                                                                                                                                                                                                           |           |        |        | MUD RECORD                                                                                                                                                                                                                                                           |           |        |        |
| Time                                                                                                                                                                                                                                                                 | Wt.       | Vis.   |        | Time                                                                                                                                                                                                                                                                 | Wt.       | Vis.   |        |
| 5 bags Mud                                                                                                                                                                                                                                                           |           |        |        | Rig Time 35 hrs.                                                                                                                                                                                                                                                     |           |        |        |
| 2 huds                                                                                                                                                                                                                                                               |           |        |        | Rig Time 33 hrs.                                                                                                                                                                                                                                                     |           |        |        |
| this shot                                                                                                                                                                                                                                                            |           |        |        | Total Rig Time 68 1/2 hrs.                                                                                                                                                                                                                                           |           |        |        |

| REMARKS -                                                                                             |                                                                                                                                       | REMARKS -                                                                                                         |                                                                           |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 6-23-64 Left Yard 6:00 A.M. Arrived at 7:00 A.M. Drilled from 140 ft to 235 ft. Left Rig at 5:00 P.M. | 6-24-64 Left Yard 6:00 A.M. Arrived at 7:00 A.M. Drilled from 135 ft to 315 ft. Indicated loss of Circ at 2:30 P.M. Left at 4:30 P.M. | 6-25-64 Left Yard at 6:00 A.M. Arrived at 7:00 A.M. Drilled in at 9:00 A.M. worked to get pipe out till 6:00 P.M. | 6-26-64 Left Yard 6:00 A.M. arrived at 7:30 A.M. Moved hole at 12:00 P.M. |

SIGNED: Toolpusher

Company Supervisor

*OH Dancer*

*Le*

DATE 11-6-61

WELL NAME - Delhi State #1 WORK ORDER NO. 184-52452-50-20

NUMBER AND DEPTH OF HOLES: #1 10', #2 10', #3 10', #4 10', #5 10'.

DEPTH OF EACH ANODE: #1 3', #2 3', #3 3', #4 3', #5 3', #6     , #7       
#8     , #9     , #10     .

ANODE RESISTANCES: #1 2.2, #2 2.6, #3 3.1, #4 1.3, #5 2.1, #6     , #7       
#8     , #9     , #10     .

**TOTAL CIRCUIT RESISTANCE:** 1.1 OHMS.

DRILLING LOG: (ATTACH HERETO)

AMOUNT OF COKE BREEZE PLACED IN EACH HOLE: #1 238 lbs, #2 340 lbs, #3 306 lbs  
#4 203 lbs, #5 230 lbs.

ANY DIFFICULTIES ENCOUNTERED IN DRILLING:

**ROCKS-**

**LOST CIRCULATION-**

**CASING INSTALLED-**

DATE ALL CONSTRUCTION COMPLETED \_\_\_\_\_

REMARKS:

Holes Enlarged AT The Bottom

①  $\xrightarrow{15'}$  ②

③

④

5

 $\rightarrow N$ 

OK Pole

26.3 # Coke  
10" Holes

Ground had  
#1 conventional  
abandoned

30-045-09465

Ed Paulik  
SIGNATURE OF INSPECTOR

# DAILY DRILLING REPORT

**SIGNED:** Toolpusher

**Company Supervisor**