

1078

E

30-039-22107

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit SE Sec. 34 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #5A

cps 1797

Elevation 6553' Completion Date 10/29/85 Total Depth 295' Land Type\* N/ACasing, Sizes, Types & Depths 40' OF 8' SURFACE CASINGIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/ADepths & thickness of water zones with description of water when possible:  
Fresh, Clear, Salty, Sulphur, Etc. N/ADepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 200', 190', 180', 170', 160', 150', 140', 130', 105', 90'Depths vent, pipes placed: N/AVent pipe perforations: N/ARemarks: gb #1 FIRST HOLE CAVED AND ABANDONED.**RECEIVED**

MAY 31 1991

**OIL CON. DIST. 3**

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**

Drilling Log (Attach Hereto) ☒Completion Date 10/29/85CPS # 1797W Well Name, Line or Plant: 27-5 #5A Work Order # 57729 Static: .68 Ins. Union Check

|  |  |  |  |  |  |                                                                       |  |
|--|--|--|--|--|--|-----------------------------------------------------------------------|--|
|  |  |  |  |  |  | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |  |
|--|--|--|--|--|--|-----------------------------------------------------------------------|--|

|                               |                                |                               |                           |
|-------------------------------|--------------------------------|-------------------------------|---------------------------|
| Location<br><u>SE 34-27.5</u> | Anode Size:<br><u>2" x 60"</u> | Anode Type:<br><u>DURIRON</u> | Size Bit:<br><u>6 3/4</u> |
|-------------------------------|--------------------------------|-------------------------------|---------------------------|

|                             |                            |                   |                      |                             |                    |
|-----------------------------|----------------------------|-------------------|----------------------|-----------------------------|--------------------|
| Depth Drilled<br><u>295</u> | Depth Logged<br><u>295</u> | Drilling Rig Time | Total Lbs. Coke Used | Lost Circulation Mat'l Used | No. Sacks Mud Used |
|-----------------------------|----------------------------|-------------------|----------------------|-----------------------------|--------------------|

|                               |                |                |                |                |                |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Anode Depth<br># 1 <u>200</u> | # 2 <u>190</u> | # 3 <u>180</u> | # 4 <u>170</u> | # 5 <u>160</u> | # 6 <u>150</u> | # 7 <u>140</u> | # 8 <u>130</u> | # 9 <u>105</u> | # 10 <u>90</u> |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|

|                                       |                |                |                |                |                |                |                |                |                 |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Anode Output (Amps)<br># 1 <u>2.7</u> | # 2 <u>5.1</u> | # 3 <u>4.7</u> | # 4 <u>3.9</u> | # 5 <u>4.3</u> | # 6 <u>5.9</u> | # 7 <u>7.8</u> | # 8 <u>6.7</u> | # 9 <u>3.8</u> | # 10 <u>4.5</u> |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|

|                     |      |      |      |      |      |      |      |      |      |
|---------------------|------|------|------|------|------|------|------|------|------|
| Anode Depth<br># 11 | # 12 | # 13 | # 14 | # 15 | # 16 | # 17 | # 18 | # 19 | # 20 |
|---------------------|------|------|------|------|------|------|------|------|------|

|                             |      |      |      |      |      |      |      |      |      |
|-----------------------------|------|------|------|------|------|------|------|------|------|
| Anode Output (Amps)<br># 11 | # 12 | # 13 | # 14 | # 15 | # 16 | # 17 | # 18 | # 19 | # 20 |
|-----------------------------|------|------|------|------|------|------|------|------|------|

|                                               |                  |                 |                       |                       |
|-----------------------------------------------|------------------|-----------------|-----------------------|-----------------------|
| Total Circuit Resistance<br>Volts <u>12.0</u> | Amps <u>21.2</u> | Ohms <u>156</u> | No. 8 C.P. Cable Used | No. 2 C.P. Cable Used |
|-----------------------------------------------|------------------|-----------------|-----------------------|-----------------------|

Remarks: Last hole #1 to cable in moved over & drilled hole #2

Rectifier Size: 40 V 16 A - 900.00

Addn'l Depth: \_\_\_\_\_

Depth Credit: 205' x 3.00 = 615.00Extra Cable: 150' x .37 = 55.50Ditch & 1 Cable: 180' x 1.35 = 243.0025' Meter Pole: 1 - 350

20' Meter Pole: \_\_\_\_\_

10' Stub Pole: \_\_\_\_\_

4740.00- 615.0055.50243.00900.00550.00300.00\$6173.50

GROUND BED LAYOUT SKETCH

MAINROAD

ABANDONED  
HOLE #1GND BED  
Δ - 60'

METER POLE

All Construction Completed

B.T.  
 (Signature)

| DATE  | TIME | REG. |
|-------|------|------|
| 10/28 | 4    | 8    |
| 10/29 | 2    | 8    |

N

CPS #: 1797W WELL NAME: 27-5 #5A SE LOCATION: 34-27-5 DATE: 10/29/85

TOTAL VOLTS: 12.0 TOTAL AMPS: 21.2 OHMS RESISTANCE: 156

Hole #2

|      |           |           |      |           |           |      |           |           |      |           |           | ANODE READINGS |       |         |           |
|------|-----------|-----------|------|-----------|-----------|------|-----------|-----------|------|-----------|-----------|----------------|-------|---------|-----------|
| DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | NO.            | DEPTH | NO COKE | WITH COKE |
| 5    |           |           | 185  | 3.2       |           | 365  |           |           | 545  |           |           | 1              | 200   | 1.6     | 2.7       |
| 10   |           |           | 190  | 3.1       | 2         | 370  |           |           | 550  |           |           | 2              | 190   | 3.2     | 5.4       |
| 15   |           |           | 195  | 2.3       |           | 375  |           |           | 555  |           |           | 3              | 180   | 2.5     | 4.7       |
| 20   |           |           | 200  | 1.7       | 1         | 380  |           |           | 560  |           |           | 4              | 170   | 2.3     | 3.9       |
| 25   |           |           | 205  | 1.2       |           | 385  |           |           | 565  |           |           | 5              | 160   | 2.3     | 4.3       |
| 30   |           |           | 210  |           |           | 390  |           |           | 570  |           |           | 6              | 150   | 3.3     | 5.9       |
| 35   |           |           | 215  |           |           | 395  |           |           | 575  |           |           | 7              | 140   | 3.6     | 7.8       |
| 40   |           |           | 220  |           |           | 400  |           |           | 580  |           |           | 8              | 130   | 3.0     | 6.7       |
| 45   |           |           | 225  |           |           | 405  |           |           | 585  |           |           | 9              | 105   | 2.3     | 3.8       |
| 50   |           |           | 230  |           |           | 410  |           |           | 590  |           |           | 10             | 90    | 2.6     | 4.5       |
| 55   |           |           | 235  |           |           | 415  |           |           | 595  |           |           |                |       |         |           |
| 60   |           |           | 240  |           |           | 420  |           |           | 600  |           |           |                |       |         |           |
| 65   |           |           | 245  |           |           | 425  |           |           | 605  |           |           |                |       |         |           |
| 70   |           |           | 250  |           |           | 430  |           |           | 610  |           |           |                |       |         |           |
| 75   |           |           | 255  |           |           | 435  |           |           | 615  |           |           |                |       |         |           |
| 80   | 2.2       |           | 260  |           |           | 440  |           |           | 620  |           |           |                |       |         |           |
| 85   | 2.1       |           | 265  |           |           | 445  |           |           | 625  |           |           |                |       |         |           |
| 90   | 2.6       | 10        | 270  |           |           | 450  |           |           | 630  |           |           |                |       |         |           |
| 95   | 1.8       | 10        | 275  |           |           | 455  |           |           | 635  |           |           |                |       |         |           |
| 100  | 2.5       |           | 280  |           |           | 460  |           |           | 640  |           |           |                |       |         |           |
| 105  | 2.0       | 9         | 285  |           |           | 465  |           |           | 645  |           |           |                |       |         |           |
| 110  | 1.3       |           | 290  |           |           | 470  |           |           | 650  |           |           |                |       |         |           |
| 115  | 1.0       |           | 295  |           |           | 475  |           |           | 655  |           |           |                |       |         |           |
| 120  | .9        |           | 300  |           |           | 480  |           |           | 660  |           |           |                |       |         |           |
| 125  | 1.1       |           | 305  |           |           | 485  |           |           | 665  |           |           |                |       |         |           |
| 130  | 3.2       | 8         | 310  |           |           | 490  |           |           | 670  |           |           |                |       |         |           |
| 135  | 3.7       |           | 315  |           |           | 495  |           |           | 675  |           |           |                |       |         |           |
| 140  | 3.8       | 7         | 320  |           |           | 500  |           |           | 680  |           |           |                |       |         |           |
| 145  | 3.6       |           | 325  |           |           | 505  |           |           | 685  |           |           |                |       |         |           |
| 150  | 3.3       | 6         | 330  |           |           | 510  |           |           | 690  |           |           |                |       |         |           |
| 155  | 2.8       |           | 335  |           |           | 515  |           |           | 695  |           |           |                |       |         |           |
| 160  | 2.1       | 5         | 340  |           |           | 520  |           |           | 700  |           |           |                |       |         |           |
| 165  | 2.4       |           | 345  |           |           | 525  |           |           | 705  |           |           |                |       |         |           |
| 170  | 1.9       | 4         | 350  |           |           | 530  |           |           | 710  |           |           |                |       |         |           |
| 175  | 1.9       |           | 355  |           |           | 535  |           |           | 715  |           |           |                |       |         |           |
| 180  | 2.6       | 3         | 360  |           |           | 540  |           |           | 720  |           |           |                |       |         |           |

REMARKS:

EL PASO NATURAL GAS COMPANY  
CONSTRUCTION LOGGING READINGS

CPS #: 1797W WELL NAME: 27-5 #5A LOCATION: 34-27-5 SE DATE: 10/28/85

TOTAL VOLTS: TOTAL AMPS: OHMS RESISTANCE:

Hale #1

| Hale #1 |            |           |      |           |           |      |           |           |      |           |           | ANODE READINGS |       |         |           |
|---------|------------|-----------|------|-----------|-----------|------|-----------|-----------|------|-----------|-----------|----------------|-------|---------|-----------|
| DEEP    | LOG ANODE  | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | NO.            | DEPTH | NO COKE | WITH COKE |
| 5       |            |           | 185  | 2.7       |           | 365  |           |           | 545  |           |           | 1              | 200   | 1.7     |           |
| 10      |            |           | 190  | 3.1       | ✓         | 370  |           |           | 550  |           |           | 2              | 190   | 3.1     |           |
| 15      |            |           | 195  | 3.0       |           | 375  |           |           | 555  |           |           | 3              | 180   | 2.2     |           |
| 20      |            |           | 200  | 1.8       | 1         | 380  |           |           | 560  |           |           | 4              | 170   | 2.2     |           |
| 25      |            |           | 205  | 1.5       |           | 385  |           |           | 565  |           |           | 5              | 160   |         |           |
| 30      |            |           | 210  | .6        |           | 390  |           |           | 570  |           |           | 6              | 150   |         |           |
| 35      |            |           | 215  | .4        |           | 395  |           |           | 575  |           |           | 7              | 140   |         |           |
| 40      |            |           | 220  | .4        |           | 400  |           |           | 580  |           |           | 8              | 105   |         |           |
| 45      |            |           | 225  | .5        |           | 405  |           |           | 585  |           |           | 9              | 95    |         |           |
| 50      |            |           | 230  | .4        |           | 410  |           |           | 590  |           |           | 10             | 85    |         |           |
| 55      |            |           | 235  | .5        |           | 415  |           |           | 595  |           |           |                |       |         |           |
| 60      |            |           | 240  | 1.2       |           | 420  |           |           | 600  |           |           |                |       |         |           |
| 65      |            |           | 245  | 1.4       |           | 425  |           |           | 605  |           |           |                |       |         |           |
| 70      |            |           | 250  | 1.3       |           | 430  |           |           | 610  |           |           |                |       |         |           |
| 75      | Water back |           | 255  | 1.4       |           | 435  |           |           | 615  |           |           |                |       |         |           |
| 80      | 2.7        |           | 260  | 1.4       |           | 440  |           |           | 620  |           |           |                |       |         |           |
| 85      | 2.0        | 10        | 265  | 1.3       |           | 445  |           |           | 625  |           |           |                |       |         |           |
| 90      | 2.2        |           | 270  | .8        |           | 450  |           |           | 630  |           |           |                |       |         |           |
| 95      | 1.9        | 9         | 275  | .7        |           | 455  |           |           | 635  |           |           |                |       |         |           |
| 100     | 2.2        |           | 280  | .8        |           | 460  |           |           | 640  |           |           |                |       |         |           |
| 105     | 1.9        | 8         | 285  | 1.4       |           | 465  |           |           | 645  |           |           |                |       |         |           |
| 110     | 1.4        |           | 290  | 1.9       |           | 470  |           |           | 650  |           |           |                |       |         |           |
| 115     | 1.2        |           | 295  |           |           | 475  |           |           | 655  |           |           |                |       |         |           |
| 120     | 1.0        |           | 300  |           |           | 480  |           |           | 660  |           |           |                |       |         |           |
| 125     | .8         |           | 305  |           |           | 485  |           |           | 665  |           |           |                |       |         |           |
| 130     | 1.2        |           | 310  |           |           | 490  |           |           | 670  |           |           |                |       |         |           |
| 135     | 3.3        |           | 315  |           |           | 495  |           |           | 675  |           |           |                |       |         |           |
| 140     | 3.6        | 7         | 320  |           |           | 500  |           |           | 680  |           |           |                |       |         |           |
| 145     | 3.7        |           | 325  |           |           | 505  |           |           | 685  |           |           |                |       |         |           |
| 150     | 3.2        | 6         | 330  |           |           | 510  |           |           | 690  |           |           |                |       |         |           |
| 155     | 3.1        |           | 335  |           |           | 515  |           |           | 695  |           |           |                |       |         |           |
| 160     | 2.5        | 5         | 340  |           |           | 520  |           |           | 700  |           |           |                |       |         |           |
| 165     | 2.1        |           | 345  |           |           | 525  |           |           | 705  |           |           |                |       |         |           |
| 170     | 2.2        | 4         | 350  |           |           | 530  |           |           | 710  |           |           |                |       |         |           |
| 175     | 1.8        |           | 355  |           |           | 535  |           |           | 715  |           |           |                |       |         |           |
| 180     | 2.4        | 3         | 360  |           |           | 540  |           |           | 720  |           |           |                |       |         |           |

Lash Hale

6' #1 Anode

Fast Hale  
6' #1 Anode

REMARKS:

EL PASO NATURAL GAS COMPANY  
DRILLING DEPARTMENT

## DAILY DRILLING REPORT

C.P.S. 1799-U

LEASE SS 27-5-5A WELL NO. 5A CONTRACTOR \_\_\_\_\_ RIG NO. \_\_\_\_\_ REPORT NO. \_\_\_\_\_ DATE 10/29/85 19\_\_

| MORNING                                                |    |           |        |        | DAYLIGHT                              |    |           |        |        | EVENING                               |    |           |        |        |
|--------------------------------------------------------|----|-----------|--------|--------|---------------------------------------|----|-----------|--------|--------|---------------------------------------|----|-----------|--------|--------|
| Driller <u>TIM C RIEFEL</u> Total Men In Crew <u>5</u> |    |           |        |        | 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. |
|                                                        |    |           |        |        |                                       |    |           |        |        |                                       |    |           |        |        |
|                                                        |    |           |        |        |                                       |    |           |        |        |                                       |    |           |        |        |
|                                                        |    |           |        |        |                                       |    |           |        |        |                                       |    |           |        |        |
|                                                        |    |           |        |        |                                       |    |           |        |        |                                       |    |           |        |        |
|                                                        |    |           |        |        |                                       |    |           |        |        |                                       |    |           |        |        |

| MORNING       |       | DAYLIGHT      |       | EVENING       |       |
|---------------|-------|---------------|-------|---------------|-------|
| NO. DC        | SIZE  | NO. DC        | SIZE  | NO. DC        | SIZE  |
| SIZE          | LENG. | SIZE          | LENG. | SIZE          | LENG. |
| BIT NO.       |       | BIT NO.       |       | BIT NO.       |       |
| SERIAL NO.    |       | SERIAL NO.    |       | SERIAL NO.    |       |
| STANDS        |       | STANDS        |       | STANDS        |       |
| SINGLES       |       | SINGLES       |       | SINGLES       |       |
| DOWN ON KELLY |       | DOWN ON KELLY |       | DOWN ON KELLY |       |
| TOTAL DEPTH   |       | TOTAL DEPTH   |       | TOTAL DEPTH   |       |
|               |       |               |       |               |       |
|               |       |               |       |               |       |
|               |       |               |       |               |       |
|               |       |               |       |               |       |
|               |       |               |       |               |       |

| MUD RECORD |     |      | MUD, ADDITIVES USED AND RECEIVED |  |  | MUD RECORD |     |      | MUD, ADDITIVES USED AND RECEIVED |  |  | MUD RECORD |     |      | MUD, ADDITIVES USED AND RECEIVED |  |  |
|------------|-----|------|----------------------------------|--|--|------------|-----|------|----------------------------------|--|--|------------|-----|------|----------------------------------|--|--|
| Time       | Wt. | Vis. |                                  |  |  | Time       | Wt. | Vis. |                                  |  |  | Time       | Wt. | Vis. |                                  |  |  |
|            |     |      |                                  |  |  |            |     |      |                                  |  |  |            |     |      |                                  |  |  |
|            |     |      |                                  |  |  |            |     |      |                                  |  |  |            |     |      |                                  |  |  |
|            |     |      |                                  |  |  |            |     |      |                                  |  |  |            |     |      |                                  |  |  |
|            |     |      |                                  |  |  |            |     |      |                                  |  |  |            |     |      |                                  |  |  |

| FROM | TO | TIME BREAKDOWN | FROM | TO | TIME BREAKDOWN | FROM | TO | TIME BREAKDOWN |
|------|----|----------------|------|----|----------------|------|----|----------------|
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |

| REMARKS -                                           | REMARKS - | REMARKS - |
|-----------------------------------------------------|-----------|-----------|
| <u>HOLE NO. #2</u>                                  |           |           |
| <u>0-40 SAND</u>                                    |           |           |
| <u>40-60 BROWN SHALE</u>                            |           |           |
| <u>60-80 WATER SAND (WATER))</u>                    |           |           |
| <u>80-220 GRAY / BLUE SHALE</u>                     |           |           |
| <u>220-240 SAND STONE</u>                           |           |           |
| <u>1 HR. FOR SETTING 40 FT OF SURFACE CASING 8"</u> |           |           |
| <u>T.D 240 FT</u>                                   |           |           |

SIGNED: Toolpusher

Tim C Riefel

Company Supervisor

EL PASO NATURAL GAS COMPANY  
DRILLING DEPARTMENT

## DAILY DRILLING REPORT

C.P.S. 1797-W

LEASE SJ 22-5-A WELL NO. 5 B CONTRACTOR \_\_\_\_\_ RIG NO. \_\_\_\_\_ REPORT NO. \_\_\_\_\_ DATE 10/28/15 19\_\_

| MORNING                     |    |                            |        |        | DAYLIGHT      |    |                         |        |        | EVENING       |    |                         |        |        |
|-----------------------------|----|----------------------------|--------|--------|---------------|----|-------------------------|--------|--------|---------------|----|-------------------------|--------|--------|
| Driller <u>Tim C Riffel</u> |    | Total Men In Crew <u>5</u> |        |        | 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. |
|                             |    |                            |        |        |               |    |                         |        |        |               |    |                         |        |        |
|                             |    |                            |        |        |               |    |                         |        |        |               |    |                         |        |        |
|                             |    |                            |        |        |               |    |                         |        |        |               |    |                         |        |        |
|                             |    |                            |        |        |               |    |                         |        |        |               |    |                         |        |        |

|                                     |  |                                     |  |                                     |  |                                     |  |
|-------------------------------------|--|-------------------------------------|--|-------------------------------------|--|-------------------------------------|--|
| NO. DC _____ SIZE _____ LENG. _____ |  | NO. DC _____ SIZE _____ LENG. _____ |  | NO. DC _____ SIZE _____ LENG. _____ |  | NO. DC _____ SIZE _____ LENG. _____ |  |
| BIT NO. _____                       |  | BIT NO. _____                       |  | BIT NO. _____                       |  | BIT NO. _____                       |  |
| SERIAL NO. _____                    |  | SERIAL NO. _____                    |  | SERIAL NO. _____                    |  | SERIAL NO. _____                    |  |
| STANDS _____                        |  | STANDS _____                        |  | STANDS _____                        |  | STANDS _____                        |  |
| SINGLES _____                       |  | SINGLES _____                       |  | SINGLES _____                       |  | SINGLES _____                       |  |
| DOWN ON KELLY _____                 |  | DOWN ON KELLY _____                 |  | DOWN ON KELLY _____                 |  | DOWN ON KELLY _____                 |  |
| TOTAL DEPTH _____                   |  | TOTAL DEPTH _____                   |  | TOTAL DEPTH _____                   |  | TOTAL DEPTH _____                   |  |

| MUD RECORD |     |      | MUD, ADDITIVES USED AND RECEIVED |      |     | MUD RECORD |  |      | MUD, ADDITIVES USED AND RECEIVED |      |  | MUD RECORD |     |      | MUD, ADDITIVES USED AND RECEIVED |  |  |
|------------|-----|------|----------------------------------|------|-----|------------|--|------|----------------------------------|------|--|------------|-----|------|----------------------------------|--|--|
| Time       | Wt. | Vis. |                                  | Time | Wt. | Vis.       |  | Time | Wt.                              | Vis. |  | Time       | Wt. | Vis. |                                  |  |  |
|            |     |      |                                  |      |     |            |  |      |                                  |      |  |            |     |      |                                  |  |  |
|            |     |      |                                  |      |     |            |  |      |                                  |      |  |            |     |      |                                  |  |  |
|            |     |      |                                  |      |     |            |  |      |                                  |      |  |            |     |      |                                  |  |  |
|            |     |      |                                  |      |     |            |  |      |                                  |      |  |            |     |      |                                  |  |  |

| FROM | TO | TIME BREAKDOWN | FROM | TO | TIME BREAKDOWN | FROM | TO | TIME BREAKDOWN |
|------|----|----------------|------|----|----------------|------|----|----------------|
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |
|      |    |                |      |    |                |      |    |                |

| REMARKS -                   | REMARKS - | REMARKS - |
|-----------------------------|-----------|-----------|
| 0-40 SAND                   |           |           |
| 40-60 BROWN SHALE           |           |           |
| 60-80 WATER, SAND ((WATER)) |           |           |
| 80-220 GRAY / BLUE SHALE    |           |           |
| 220-360 SAND STONE          |           |           |
| T.D. 295 HOLE NO. 1         |           |           |

SIGNED: Toolpusher

Tim C Riffel

Company Supervisor