

157-30-045-20018

232-30-045-21119

4320

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 8 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #157, #232

cps 912w

Elevation 6539' Completion Date 7/11/75 Total Depth 350' 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. WET AT 130'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3100 lbs.

Depths anodes placed: 300', 290', 270', 260', 250', 225', 215', 200', 190', 180'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: qbr #1

RECEIVED
MAY 31 1991
OIL CON. D.
DIST. ?

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

Logg

Drilling Log (Attach Hereto). ☐

Completion Date 7-11-75

| | | | | | |
|---|-------------------------|-------------------------------------|--------------------------------------|--|-----------------------|
| Well Name Hocrfano #157 & #232 | | Location SE 8-26-9 | | CPS No. 9124 | |
| Type & Size Bit Used 6 3/4" | | | | Work Order No. 54469 & 55352 | |
| Anode Hole Depth 350 | Total Drilling Rig Time | Total Lbs. Coke Used 3100 | Lost Circulation Mat'l Used | No. Sacks Mud Used | |
| Anode Depth #1 300 | #2 290 | #3 270 | #4 260 | #5 250 | #6 225 |
| #7 215 | #8 200 | #9 190 | #10 180 | | |
| Anode Output (Amps) #1 5.0 | #2 4.8 | #3 5.4 | #4 5.2 | #5 5.0 | #6 5.2 |
| #7 5.5 | #8 5.0 | #9 5.4 | #10 5.0 | | |
| Anode Depth #11 | #12 | #13 | #14 | #15 | #16 |
| #17 | #18 | #19 | #20 | | |
| Anode Output (Amps) #11 | #12 | #13 | #14 | #15 | #16 |
| #17 | #18 | #19 | #20 | | |
| Total Circuit Resistance Volts 12.0 | Amps 18.5 | Ohms 0.64 | No. 8 C.P. Cable Used 2680 | | No. 2 C.P. Cable Used |

Remarks: **Driller said wet at 130 - Start injection**
Logged 322' Deep.
Vent Perforated 200'
Slurry 31 Sacks Coke

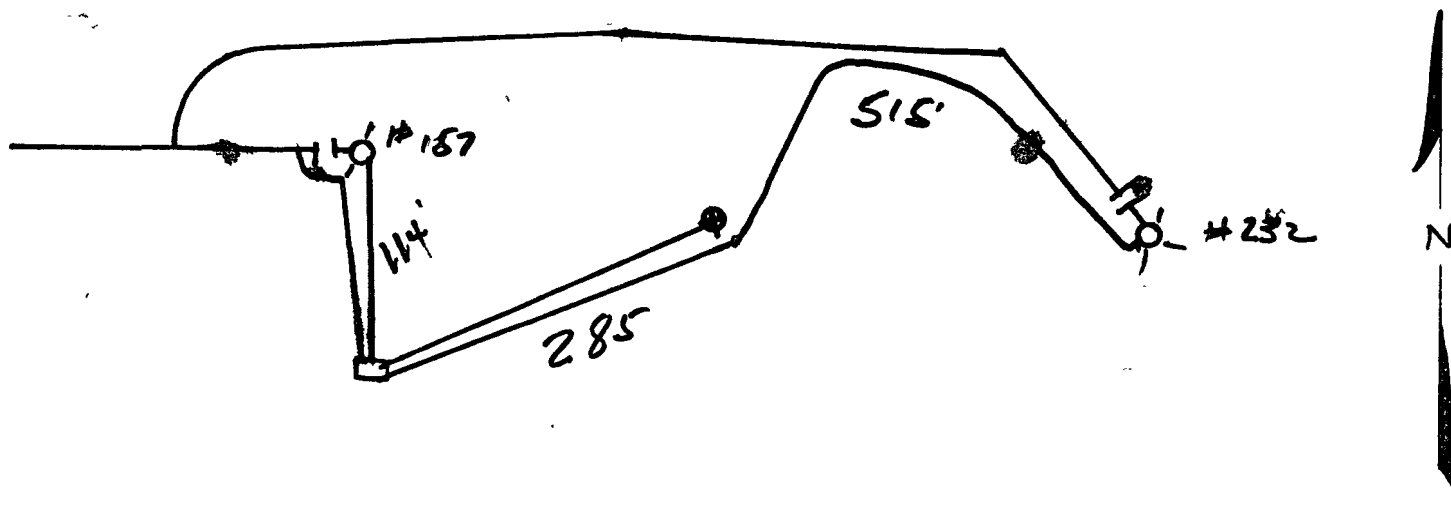
Driller - 1014.00
mate 394.68
Surp - 106.70
Wire - 249.24
Cable - 186.00
Anodes 264.60
Rect - 333.50
T.Box - 83.00
misc - 5.00

2681.72

Construction Completed

Sanels
(Signature)

GROUND BED LAYOUT SKETCH



945

912W

| MW | gas/mol |
|-----|---------|
| 16 | 5.4 |
| 30 | 9.56 |
| 44 | 10.42 |
| 58 | 12.38 |
| 72 | 13.93 |
| 86 | 15.85 |
| 100 | 17.71 |
| 114 | 19.50 |
| 128 | 21.51 |
| 142 | 23.2 |
| 156 | 24.46 |
| 170 | 26.18 |
| 184 | 27.64 |
| 198 | 29.67 |

| MW | MISC. | gas/mol |
|----|------------------|---------|
| 44 | CO ₂ | 6.38 |
| 72 | H ₂ O | 5.17 |
| 28 | H ₂ | 4.16 |
| 2 | H ₂ | 3.38 |

| | | | | |
|-----|-----|-----|------|--|
| 130 | 2.8 | 310 | 2.6 | Driller Said Wet at 150 Start injection |
| | 2.4 | | 2.8 | |
| 46 | 2.4 | 26 | 2.8 | |
| | 2.0 | 322 | T.D. | |
| 50 | 2.0 | 30 | | |
| | 1.6 | | | |
| 66 | 1.6 | 46 | | |
| | 1.6 | | | |
| 76 | 1.4 | 50 | | |
| | 2.0 | | | Vent Perf. 200 |
| 80 | 2.4 | | | |
| | 2.8 | | | |
| 90 | 2.8 | | | |
| | 2.8 | | | |
| 200 | 2.6 | 1 | 3.00 | 2.8 5.0 |
| | 2.4 | 2 | 2.90 | 3.0 4.8 |
| 10 | 2.4 | 3 | 2.70 | 3.2 5.4 |
| | 2.6 | 4 | 2.60 | 3.0 5.2 |
| 20 | 2.6 | 5 | 2.50 | 2.8 5.0 |
| | 2.6 | 6 | 2.25 | 3.0 5.2 |
| 30 | 2.2 | 7 | 2.15 | 3.0 5.5 |
| | 1.7 | 8 | 2.00 | 3.0 5.0 |
| 40 | 1.4 | 9 | 1.90 | 3.4 5.4 |
| | 1.6 | 10 | 1.80 | 2.8 5.0 |
| 50 | 2.6 | | | |
| | 2.6 | | | |
| 60 | 2.6 | | | |
| | 2.8 | | | |
| 70 | 2.8 | | | |
| | 2.4 | | | |
| 80 | 1.8 | | | |
| | 1.8 | | | |
| 90 | 2.6 | | | |
| | 2.7 | | | |
| 300 | 2.6 | | | |
| | 2.4 | | | |

$$12.0V \quad 18.5A = 0.64\Omega$$

