

4397

30-045-09553

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

Operator MERIDIAN OIL Location: Unit NE Sec. 15 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL K #3

cps 18w

Elevation 5834' Completion Date 11/21/66 Total Depth 360' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 4560 lbs.

Depths anodes placed: 307', 301', 295', 289', 283', 277'

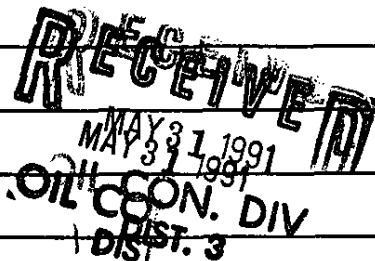
Depths vent pipes placed: 307' 3/4 HOSE

Vent pipe perforations: 285', 100', 50'

Remarks: qb #2 GROUND BED #1 IS CONVENTIONAL

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

4 3/4
Drag #19 = 55

Date 11-21-66

Well Name <i>Howell 3K</i>			CPS No. <i>18 W</i>						
Location <i>NE 15-30-8</i>			Work Order No. <i>184-52039-50-20</i>						
Anode Hole Depth <i>360</i>	Total Drilling Rig Time <i>27 1/2</i>	Type & Size Bit Used <i>60437 = 85</i> <i>6 1/4, 1281 = 70, 3529 = 10, 39320 = 195</i>		No. Sacks Mud Used <i>9</i>					
No. Sacks Lost Circulation Mat'l Used <i>2</i>	Anode Depth								
	# 1 <i>307</i>	# 2 <i>301</i>	# 3 <i>295</i>	# 4 <i>289</i>	# 5 <i>283</i> # 6 <i>277</i>				
Total Lbs. Coke Used <i>4560</i>	Anode Output (Volts)								
	# 1 <i>2.5</i>	# 2 <i>3.2</i>	# 3 <i>3.5</i>	# 4 <i>4.0</i>	# 5 <i>3.0</i> # 6 <i>3.9</i>				
Total Circuit Resistance Volts <i>12.0</i> Amps <i>10.7</i> Ohms <i>1.12</i>	No. Ft. Surface Cable Conduit <i>2498 ON Anodes 60' Surface = 2558</i>								
Drilling Log (Attach Hereto). ☐	<table border="1"> <tr> <td><i>256</i></td> <td><i>250</i></td> </tr> <tr> <td><i>3.1</i></td> <td><i>3.2</i></td> </tr> </table>					<i>256</i>	<i>250</i>	<i>3.1</i>	<i>3.2</i>
<i>256</i>	<i>250</i>								
<i>3.1</i>	<i>3.2</i>								

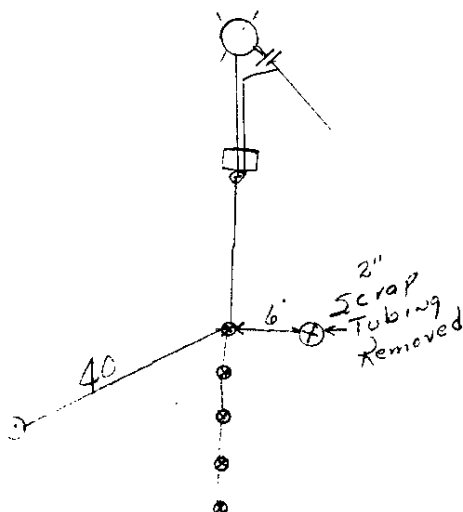
Remarks:
3/4" Hose to No. 1 Anode Perforated 75' from Bottom
15 lbs Barafos Added While Coking -
175 lbs Calcium Chloride Added While Coking

All Construction Completed

Sanels

(Signature)

GROUND BED LAYOUT SKETCH



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 11-12-62

WELL NAME Howell 3-K CPS NO. 18W

LOCATION 15-30N-8W

WORK ORDER NUMBER 184-52039-50-20

ANODE HOLE DEPTH 200'

TOTAL DRILLING RIG TIME 10 hrs.

DRILLING TIME FOR RECTIFIER POLE HOLE —

TYPE AND SIZE BIT USED 1-5 5/8 Rock 1-4 3/4 Rock # 4432

NUMBER SACKS MUD USED 3

NUMBER SACKS LOST CIRCULATION MAT'L USED —

ANODE DEPTHS #1 300' SCRAP TUBING, #2 —, #3 —, #4 —

TOTAL LBS. COKE USED —

ANODE OUTPUTS 8.4 VOLTS, #1 8.4, #2 —, #3 —, #4 —

TOTAL CIRCUIT RESISTANCE: VOLTS 7.0 AMPERES 7.5 OHMS .935 Both G.B. Together

NUMBER FEET SURFACE CABLE 8'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

REMARKS: SCRAP TUBING Ground Bed = 1.0 Ω

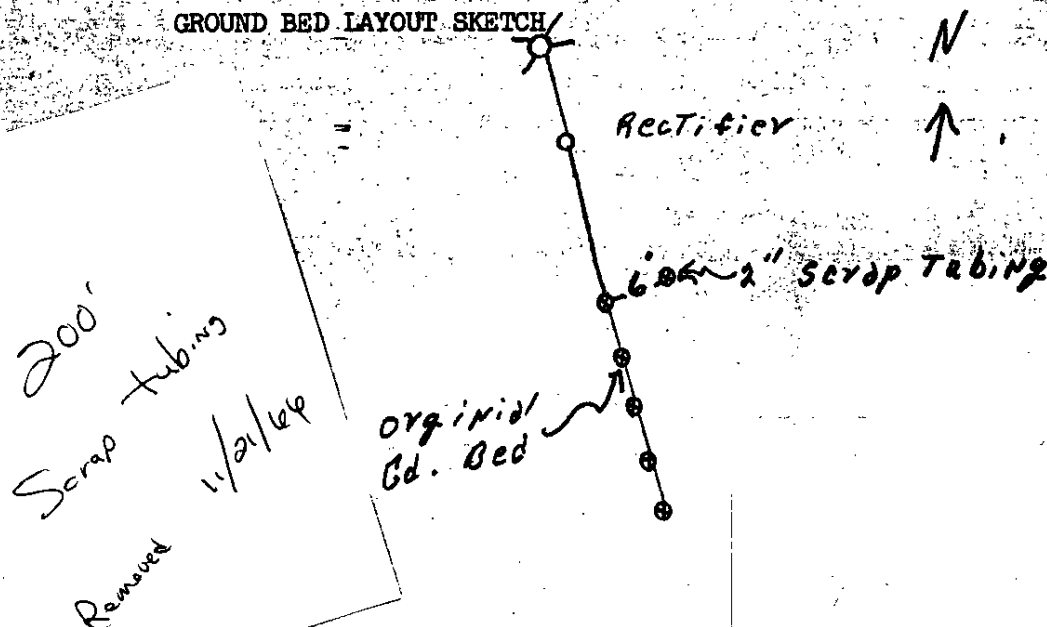
Both Ground Beds Together = .935 Ω

Left Rectifier At 7.0V 5.6/1.9A

ALL CONSTRUCTION COMPLETED

Shaner
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

DAILY DRILLING REPORT

WELL NO. **2** CONTRACTOR **L. E. Wilson** RIG NO. **2** DATE **11-10-1968**

MORNING				DAYLIGHT				EVENING				
Total Man In Crew		Driller		Total Man In Crew		Driller		Total Man In Crew		Driller		
FORMATION	W.T.B.T.	R.P.M.	FROM	TO	FORMATION	W.T.B.T.	R.P.M.	FROM	TO	FORMATION	W.T.B.T.	R.P.M.
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REMARKS -

3 JOBS RUN

Rig Time 10 hrs.

SIGNED: Toolpusher

SAN JUAN DIVISION
WELL CASING CATHODIC PROTECTION
DAILY CONSTRUCTION
PROGRESS REPORT

18w

DATE 11-21-61

WELL NAME - Howell 3-K (15-30-8) WORK ORDER NO. 184-52039-50-20

NUMBER AND DEPTH OF HOLES: #1 20', #2 20', #3 20', #4 20', #5 20'.

DEPTH OF EACH ANODE: #1 13', #2 12', #3 11', #4 12', #5 13', #6 5', #7 5'
#8 _____, #9 _____, #10 _____.

ANODE RESISTANCES: #1 9.9, #2 11.0, #3 11.0, #4 9.6, #5 11.0, #6 6.8, #7 6.8
#8 _____, #9 _____, #10 _____.

TOTAL CIRCUIT RESISTANCE: 2.9 OHMS.

DRILLING LOG: (ATTACH HERETO)

AMOUNT OF COKE BREEZE PLACED IN EACH HOLE: #1 204 lbs, #2 204 lbs, #3 204 lbs
#4 204 lbs, #5 204 lbs

ANY DIFFICULTIES ENCOUNTERED IN DRILLING:

ROCKS- Dravel

LOST CIRCULATION-

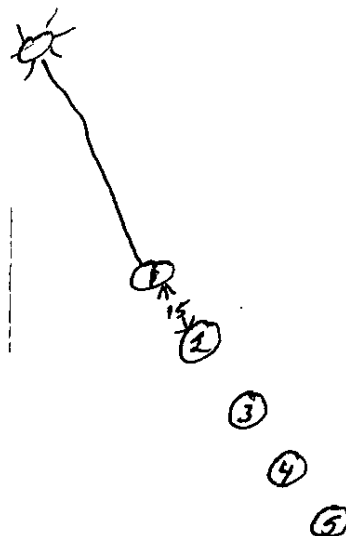
CASING INSTALLED-

DATE ALL CONSTRUCTION COMPLETED _____.

REMARKS:

anodes 6 & 7 placed in holes 1 & 2
anodes 6 & 7 logged the same as
first fine but had a greater resistance
Drop when backfilled

Conventional
Beds



SIGNATURE OF INSPECTOR

MORNING

DAYLIGHT

EVENING

SIGNED: Toolpusher

Company Supervisor