

#2A 30-045-22526

E

833

#6 30-045-21050

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

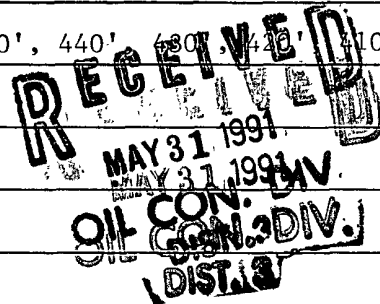
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 13 Twp 30 Rng 10Name of Well/Wells or Pipeline Serviced TURNER #2A, #6

cps 1267w

Elevation 6538' Completion Date 6/21/78 Total Depth 550' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 70' & 170'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 520', 510', 500', 490', 450', 440', 430', 420', 410', 400'Depths vent pipes placed: 520'Vent pipe perforations: 460'Remarks: gb #1

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 6-21-78

Well Name TURNER #2-A		Location NW 13-30-10		CPS No. 1267W	
Type & Size Bit Used 6 3/4"		Work Order No. 57202-21			
Anode Hole Depth 550	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 520	# 2 510	# 3 500	# 4 490	# 5 450	# 6 440
# 7 430	# 8 420	# 9 410	# 10 400		
Anode Output (Amps)					
# 1 1.9	# 2 1.8	# 3 2.0	# 4 2.2	# 5 2.3	# 6 3.3
# 7 3.3	# 8 3.1	# 9 2.6	# 10 2.8		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 12.0	Amps 12.6	Ohms 0.95			

Remarks: Static 600' NW = 0.76. Driller said making water @ 55 to 70'. 1 GAL PER MIN. WATER @ 170 to 205'. 2 Gals. PER MIN. TOTAL 3 Gals PER MIN. DRILLED TO 490'. Next AM WATER Standing @ 290'. Logging Anode stopped @ 430. Move. Logging Anode up & Down. Started logging again & stopped @ 550. All Anodes went in Hole without any trouble. Perforated 460' of 1" PVC Vent Pipe. Installed 520' of 1" PVC Vent Pipe. Did not catch water sample.

40V16A Rectifier
Stub Pole

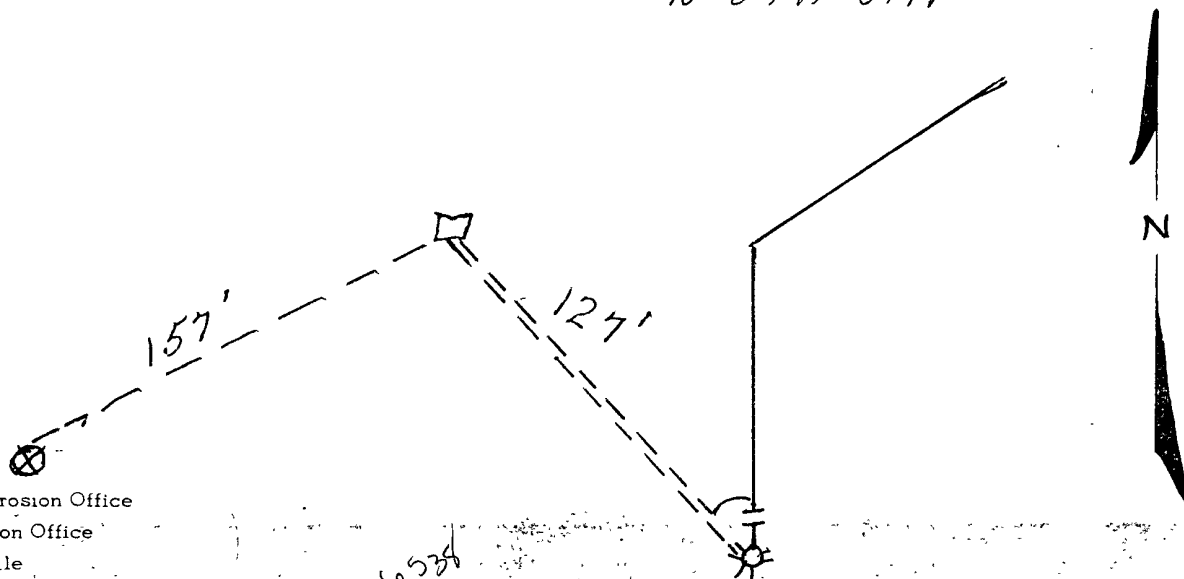
Ditch & 1 cable = 234'
EXTRA CABLE = 127'
Hole Depth = +50

All Construction Completed

W L Long
(Signature)

GROUND BED LAYOUT SKETCH

± installed
10-2'x48" Graphite Anodes



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

TURNER #2-A

NW 13-30-10

1264W

57202-21

$$\text{Static } 600' \text{ NW} = 0.76$$

40 V 16A Rectifier

Stub Pole

$$\text{Ditch \& Cable} = 284$$

EXTRA CABLE = 127

Hole Depth = +50

DRILLER SAID MAKING WATER @ 70'

MORE WATER @ 170' GALS Per min

Drilled to 470' next A.M. water @

Perforated 460' of 1" PVC vent pipe

Installed 520' of 1" PVC vent pipe

Did not catch water sample

MW	gals/mol	
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂ ⁺	9.64
42.08	C ₃ ⁺	9.67

MW	MISC. gals/mol	
32 00	O ₂	3 37
28 01	CO	4 19
44 01	CO ₂	6.38
64 06	SO ₂	5 50
34.08	H ₂ S	5.17
28.01	N ₂	4 16
2.02	H ₂	3 38

70	40.2	-10 1.6 (2)	80	
	.2	1.7		
80	50.2	-20 1.7 (5)	90	Drilled
	.2	1.8		
90	60.2	-30 1.8 (7)	600	
	.2	1.7		
100	70.1	-40 2.0 (6)		
	.1	1.7		
10	80.1	-50 1.5 (5)		
	.1	1.0		
20	90.2	60 .8		
	.2	.6		
30	300.2	70 .7		
	.2	.7		
40	10.2	80 .5		
	.2	1.8		
50	20.2	-90 1.6 (4)		
	.2	1.5		
60	30.2	-500 1.3 (3)		
	.3	1.1		
70	40.5	-10 1.2 (2)		
	.5	1.2		
80	50.4	-20 1.2 (1)		
	.5	.8		
90	60.5	30 1.8		
.6	.6	1.8		
200 .9	70 .7	40 1.8		
1.0	.6	2.0		
10 .4	80 .6	50 2.2	T.D.	
.3	.8			
20 .6	90 .7	60		
.6	.8			
30 .3	400 1.5-10	70		
.2	1.7			

① 520 1.1 1.9

② 510 1.2 1.8

③ 500 1.2 2.0

④ 490 1.5 2.2

⑤ 450 1.5 2.3

⑥ 440 2.1 3.3

⑦ 430 1.9 3.3

⑧ 420 1.7 3.1

⑨ 410 1.6 2.6

⑩ 400 1.6 2.8

Volts = 12.0

Amps = 12.6

ohms = 0.95