

#4 30-045-07121
#11 30-045-21078

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

Operator MERIDIAN OIL Location: Unit SW Sec. 27 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL #4, #11

cps 473w

Elevation 6280' Completion Date 10/12/73 Total Depth 680' 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. 470'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.

Type & amount of coke breeze used: 6800 lbs.

DIST. 2

Depths anodes placed: 628', 620', 612', 604', 596', 588', 580', 572', 564', 556', 548'

540'

Depths vent pipes placed: N/A

Vent pipe perforations: 500'

Remarks: qb #2

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

Posted

Drilling Log (Attach Hereto). ☐

Completion Date **10-12-73**

Well Name Howell #4 & #11		Location SW27-28-8		CPS No. 473 W	
Type & Size Bit Used 6 3/4				Work Order No. 52015 & 55286	
Anode Hole Depth 680 - (Log 660)	Total Drilling Rig Time 6800	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 628	# 2 620	# 3 612	# 4 604	# 5 596	# 6 588
# 7 580	# 8 572	# 9 564	# 10 556		
Anode Output (Amps)					
# 1 3.0	# 2 3.7	# 3 3.9	# 4 3.5	# 5 3.6	# 6 3.1
# 7 3.0	# 8 3.3	# 9 3.5	# 10 3.6		
Anode Depth					
# 11 548	# 12 540	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11 3.6	# 12 2.5	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 11.5	Amps 11.0	Ohms 1.04	973' X 20		530' X 12
				No. 2 C.P. Cable Used	

Remarks: **Drilled 680, log 660 T.D. - Water Standing at 470' 8 Hrs. after stop Drilling. - Start water inj. at 450' Pumped 24 Sacks Coke - All Anodes Responded how on water, Slurry 44 Sacks - Water Never Did Come to Surface - Believe Bridge Down Hole Vent Perf. 500'**

Installed #8 Neg. to #11 & Pos. to G.B.

#1 G.B.

505'

GROUND BED LAYOUT SKETCH

#4

Road

#2 G.B.

468'

#11

All Construction Completed

Samuels
(Signature)

2,030.00
246.10
720.00

3,332.90
155.32 Tax
3,488.22

DAILY DRILLING REPORT

C.P.S. # 473-W

[illegible]

SIGNED: Toolpusher

But Margaret

____ Company Supervisor

Date: _____

By: _____

$$473 \text{ W} - x = 5.4$$

water at 470'

Stop Drill @ 3:00 AM

499 37 11:00 AM

Start water in at 4.50

[illegible]

Pump	24	sacks	cake
Slurry	29		

68

Laq	wh	Ceko
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1	6	28	2.1	21	3.0
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2	6	20	1.8	25	3.7
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3	6	12	24	28	39
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4	6	0.4	25	25	35
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5	9.6	2.5	2.7	2.6
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6	5	48	25	23	21
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7	5	80	24	21	21	21
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5	80	2.4	2.4	3.0
9	73	2.1	2.1	3.3

8	5	10	24	2.4	25
9	5	11	33	2.1	25

9	5	64	6.3	2.0	33
10	1	61	33	25	21

10	5	36	22	25	3.6
11	5	40	23	22	3.7

11	5	48	23	29	3.6
12	5	10	1	17	2

$$11.5 \text{ V} \quad 11.0 \text{ A} = 1.08 \Omega$$

11.0/11.5
11.0
540