

30-045-09089

4480

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. 29 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL E #1

cps 29w

Elevation 5791' Completion Date 10/7/75 Total Depth 210' 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. 50'

Depths gas encountered: N/A

Type & amount of coke breeze used: 32 SACKS

Depths anodes placed: 185', 170', 120', 110', 100'

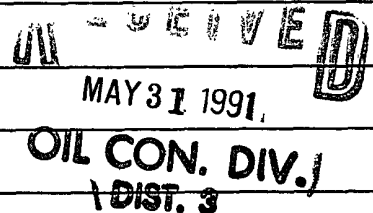
Depths vent pipes placed: 185'

Vent pipe perforations: 150'

Remarks: gb #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

 Milling Log (Attach Hereto). ☐

 Completion Date 10/7/75

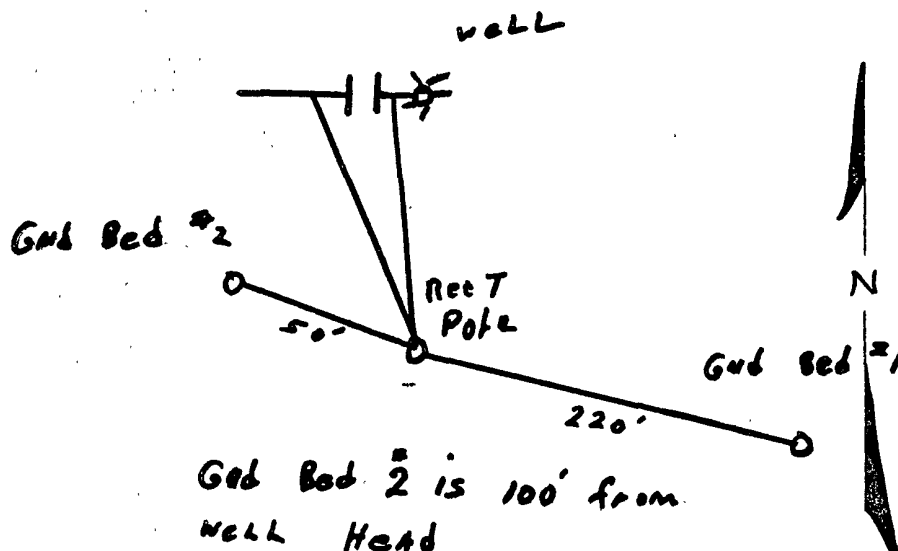
Well Name Howell E #1		Location SN 29-30-8		CPS No. 29 W	
Type & Size Bit Used 6 3/4"				Work Order No. 184-52022.19-50.	
Anode Hole Depth 210'	Total Drilling Rig Time	Total Lbs. Coke Used 32 SACKS	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth					
# 1 185'	# 2 170'	# 3 120'	# 4 110'	# 5 100'	# 6
Anode Output (Amps)					
# 1 4.6	# 2 4.0	# 3 5.4	# 4 5.5	# 5 4.4	# 6
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 12.5V	Amps 17.5A	Ohms .71	915'		

 Remarks: Driller said water at 50'. Perforated 150' of vent, on #1 anode.
12 hrs

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



10-7-75

LEASE					WELL NO. 29-W					CONTRACTOR					RIG NO. 3991					REPORT NO.					DATE					19				
MORNING										DAYLIGHT										EVENING														
Driller					Total Men In Crew					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.																				
0.0	1.0	Sand			60'	69'	Sandstone			87'	106'	Sandstone																						
1.0	4'	Shale			69'	75'	Shale			106'	108'	Shale																						
4'	56'	Sandstone			75'	83'	Sandstone			108'	110'	Sandstone																						
56'	60	Shale			83'	87'	Shale			110'	120'	Shale																						
BIT NO.					NO. DC					SIZE					LENG.																			
SERIAL NO.					STANDS					SINGLES					DOWN ON KELLY																			
MAKE					TOTAL DEPTH					MAKE					TOTAL DEPTH																			
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																						
120'	124'	Sandstone			180'	184'	Sandstone																											
124'	132'	Shale			184'	188'	Shale																											
132'	167'	Sandstone			188'	192'	Sandstone																											
167'	172'	Shale			192'	200'	Shale																											
172'	176'	Sandstone			200'	220'	Sandstone																											
176'	180'	Shale			220'	-	T.D.																											
REMARKS -					REMARKS -					REMARKS -																								
					Dump @ 116-50																													
					water 50.																													
					Drill at 50' to 220'																													

SIGNED: Toolpusher

Jimmy Jones

Company Supervisor

CPS - 29 W

MW		gals/mol
16	C ₁	6.4
30	C ₂	10.12
44	C ₃	10.82
58	IC ₄	12.38
72	NC ₄	11.93
86	IC ₅	13.85
100	NC ₅	13.71
114	IC ₆	15.50
128	NC ₆	15.57
142	IC ₇	17.2
156	NC ₇	17.46
170	IC ₈	19.31
184	NC ₈	19.64
200	IC ₉	21.67

MW		MSC
44	CO ₂	6.38
34	H ₂ O	5.12
28	N ₂	4.16
2	H ₂	3.38

60-

70-1.6

1.5

80-1.6

1.6

90-1.6

2.2

100-2.4 —

3.2

10-3.2 —

2.7

20-3.2 —

3.0

30-2.3

2.0

40-1.0

.8

50-.9

1.1

60-2.5

2.4

70-2.8 —

2.8

80-2.6

3.0 —

90-2.3

3.6

200 3.0

2.6

10

20

30

1 = 185' - 3.6 - 4.6

2 = 170' - 3.2 - 4.0

3 = 120' - 3.6 - 5.4

4 = 110' - 4.0 - 5.5

5 = 100' - 2.6 - 4.4

Driller said water at 50' drilled
to 220'. Vent perforated 150'
Hole logged 210'