

4 = 30-045-10139
353 = 30-045-26904

3501

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

Operator MERIDIAN OIL INC. Location: Unit NE Sec. 33 Twp 31 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL D #4, #353

cps 2004w

Elevation 6272' Completion Date 6/18/74 Total Depth 600' 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. 410'

Depths gas encountered: BETWEEN 520' & 600'

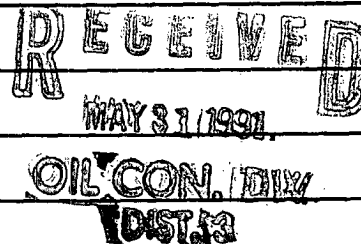
Type & amount of coke breeze used: N/A

Depths anodes placed: 555', 545', 480', 470', 460', 450', 440', 430', 420', 410'

Depths vent pipes placed: N/A

Vent pipe perforations: 490'

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

Drilling Log (Attach Hereto). ☐

Completion Date 6-18-74

Well Name <u>Howell D #4</u>		Location <u>NE 33-31-8</u>		CPS No. <u>203W 2004</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>52033</u>	
Anode Hole Depth <u>600</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>555</u>	#2 <u>545</u>	#3 <u>480</u>	#4 <u>470</u>	#5 <u>460</u>	#6 <u>450</u>
#7 <u>440</u>	#8 <u>430</u>	#9 <u>420</u>	#10 <u>410</u>		
Anode Output (Amps)					
#1 <u>2.8</u>	#2 <u>2.2</u>	#3 <u>3.2</u>	#4 <u>3.4</u>	#5 <u>3.4</u>	#6 <u>3.1</u>
#7 <u>3.1</u>	#8 <u>3.6</u>	#9 <u>3.6</u>	#10 <u>3.1</u>		
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				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <u>10.8</u>	Amps <u>12.0</u>	Ohms <u>0.90</u>		<u>238</u>	

Remarks: Drilled to 520 - Water level after 6 Hrs at 410 - Log-
Drilled to 600 & Logged - Hole making gas Between
520 & 600 - Vent Perforated 490'

Pump. 3 Loads water
Told Contr to leave pipe Down approx 20'
left loc. to make anodes

NOTE;

6-19-73 -

Hole Stopped making Gas
Coked to Surface

GROUND BED LAYOUT SKETCH

All Construction Completed

Arrele

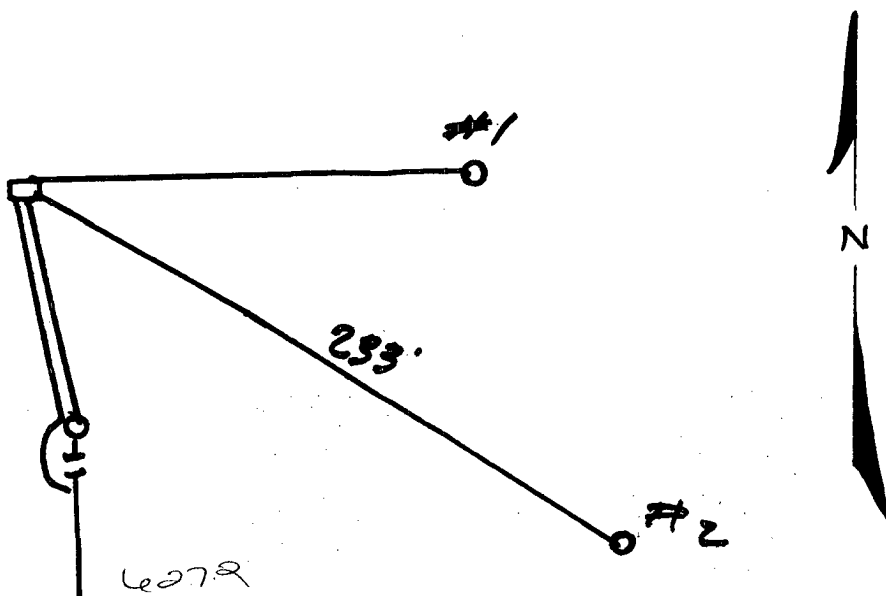
(Signature)

\$3,409.00
95.20 cable

\$3,504.20
600.00 Extra Depth

\$4,104.20
164.17 TAX

\$4,268.37 TOTAL



STORM WATER WELL DRILLING INC.

**DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING**

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9505

GENERAL OFFICE
14991 W. 44TH AVENUE

BAILEY OFFICE
CALL 1-838-4821

Drill Portadown 10 T.K.

Date 6-18-74

Owner C.P.S.

CPJ 203 W

Location _____
City Spartanburg

State NM

County _____

[illegible]

Total Hours _____

Equipment Down Time _____

Hours Drilling 7.0

Driller _____

Helper _____

Helper _____

C.P.S. Time _____

S.W.W.D.I. Time _____

Total Footage _____

Approval of
C.P.S. Engineer _____

203W- $X=16.5$

WV	gate/mol
10	6.4
20	9.6
30	12.8
40	16.0
50	19.2
60	22.4
70	25.6
80	28.8
90	32.0
100	35.2
110	38.4
120	41.6
130	44.8
140	48.0
150	51.2
160	54.4
170	57.6
180	60.8
190	64.0
200	67.2
210	70.4
220	73.6
230	76.8
240	80.0
250	83.2
260	86.4
270	89.6
280	92.8
290	96.0
300	99.2
310	102.4
320	105.6
330	108.8
340	112.0
350	115.2
360	118.4
370	121.6
380	124.8
390	128.0
400	131.2
410	134.4
420	137.6
430	140.8
440	144.0
450	147.2
460	150.4
470	153.6
480	156.8
490	160.0
500	163.2
510	166.4
520	169.6
530	172.8
540	176.0
550	179.2
560	182.4
570	185.6
580	188.8
590	192.0
600	195.2
610	198.4
620	201.6
630	204.8
640	208.0
650	211.2
660	214.4
670	217.6
680	220.8
690	224.0
700	227.2
710	230.4
720	233.6
730	236.8
740	240.0
750	243.2
760	246.4
770	249.6
780	252.8
790	256.0
800	259.2
810	262.4
820	265.6
830	268.8
840	272.0
850	275.2
860	278.4
870	281.6
880	284.8
890	288.0
900	291.2
910	294.4
920	297.6
930	300.8
940	304.0
950	307.2
960	310.4
970	313.6
980	316.8
990	320.0
1000	323.2

WV	gate/mol
10	6.4
20	9.6
30	12.8
40	16.0
50	19.2
60	22.4
70	25.6
80	28.8
90	32.0
100	35.2
110	38.4
120	41.6
130	44.8
140	48.0
150	51.2
160	54.4
170	57.6
180	60.8
190	64.0
200	67.2
210	70.4
220	73.6
230	76.8
240	80.0
250	83.2
260	86.4
270	89.6
280	92.8
290	96.0
300	99.2
310	102.4
320	105.6
330	108.8
340	112.0
350	115.2
360	118.4
370	121.6
380	124.8
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440	144.0
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950	307.2
960	310.4
970	313.6
980	316.8
990	320.0
1000	323.2

135	4	320	2	500	1.1	Water level at 410			
40	4		2			6 HRS.			
	4	30	2	10	4	Log to 485 - Room for 8 Anode			
50	4		2		4	Drilled to 600			
	3	40	2	20	5				
60	3		4		4				
	2	50	7	30	4				
70	2		5		6	Vent Perf. 490			
	2	60	3	40	1.3	Hole making Gas			
80	3		3		1.9	Pump 3100's wfr -			
	3	70	4	50	2.0	Complete by slurry			
90	4		4		2.0	left Down -			
	3	80	3	60	2.0				
200	2		3		2.0				
	2	90	3	70	2.0				
10	2		3		2.2				
	2	400	3	80	TD				
40	2		4						
	4	10	1.5	90		Log Adv. Gate			
50	5		1.6		1	555	2.0	2.0	2.8
	5	20	1.8	600	2	545	2.9	1.5	2.2
40	7		1.8		3	480	1.3	1.3	3.2
	5	30	1.9		4	470	1.8	1.6	3.4
50	6		1.7		5	460	1.8	1.5	3.4
	6	40	1.8		6	450	1.6	1.4	3.1
60	5		1.8		7	440	1.8	1.3	3.1
	4	50	1.6		8	430	1.9	1.5	3.6
70	3		1.7		9	420	1.8	1.3	3.6
	2	60	1.8		10	410	1.5	1.2	3.1
80	5		1.9						
	6	70	1.8						
90	6		1.5						
	6	80	1.3						
300	3		1.3						
	2	90	1.4						
10	2		1.7						
						120 (10.8) 12.0 A = .9			