

722

2A- 30-045-21604

E

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

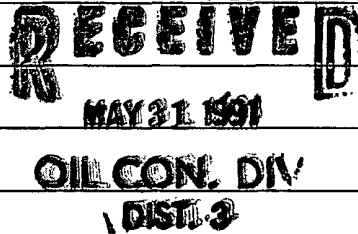
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 14 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL E #2A

cps 1057w

Elevation 6098' Completion Date 8/12/76 Total Depth 457' 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. WET AT 70' WATER AT 310'Depths gas encountered: N/AType & amount of coke breeze used: 59 SACKSDepths anodes placed: 435', 425', 415', 405', 370', 360', 350', 340', 310', 300'Depths vent pipes placed: N/AVent pipe perforations: 221'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

Handwritten signature/initials

Drilling Log (Attach Hereto). ☐

Completion Date **8-12-76**

Well Name Howell E# 2A		Location SE 14-30-8		CPS No. 1057W	
Type & Size Bit Used 6 3/4				Work Order No. 57005.19	
Anode Hole Depth 409 457	Total Drilling Rig Time	Total Lbs. Coke Used 59	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 435	# 2 425	# 3 415	# 4 405	# 5 370	# 6 360
# 7 350	# 8 340	# 9 310	# 10 300		
Anode Output (Amps)					
# 1 23	# 2 2.6	# 3 3.6	# 4 2.8	# 5 2.2	# 6 3.0
# 7 3.6	# 8 3.1	# 9 3.1	# 10 28		
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		
Volts 12.2			No. 2 C.P. Cable Used		
Amps 13.5			Ohms 0.9		

Remarks: Driller Said Wet at 70, Hit More water at 310
Drill to 340 - Fill with water to 50 & Log, ~~Not~~
~~Enough~~ - Water Next A.M. at 230, - Drill to 457
Fill with water to 200 & Log.
Vent Perforated 221.
Slurry 59 Coke

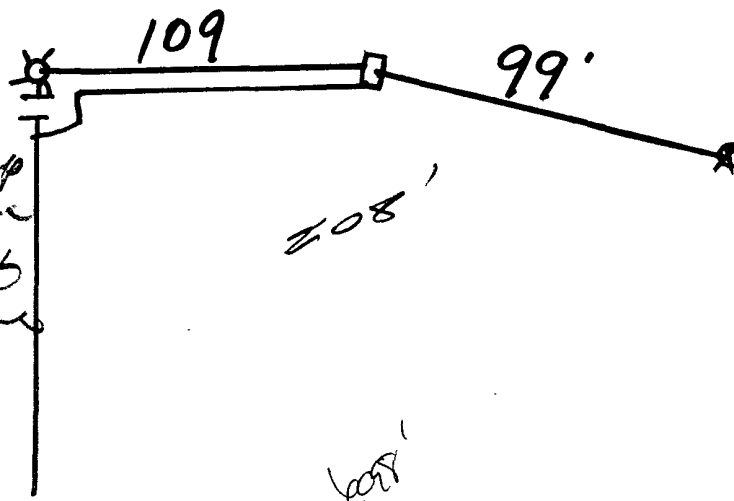
All Construction Completed

Handwritten signature: Darrels
(Signature)

GROUND BED LAYOUT SKETCH

2248.50
513.60 Depth
170.20 Anode
69.92 Cable
194.59 Ground Wire

3176.61
127.26 Tank
3303.67
213.40 Imp
354.00 Line
194.50 Reel
50.00 Mine
4115.57



DRILLING DEPARTMENT				DAILY DRILLING REPORT			
LEASE	CPS # 1057 W Howell E	WELL NO. #2 A	CONTRACTOR	Morrow	RIG NO.	38	REPORT NO.
MORNING		DAYLIGHT		EVENING		DATE 8/12 1976	

[illegible]

SIGNED: Toolpusher

____ Company Supervisor

50
55
60
65

2
2

Howell E 2A-SE14-30-8 - 1057W

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

MISC.		
MW		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	0.30

70	1	29.5	1.5	1.6	1.2	Driller said wet at 70		
	1	300	1.7	1.9	1.5	Start inj - Hit Big water		
80	1		2.1	2.2	1.7	at 310 -		
	1	10	1.5	2.0	1.2	Drill to 340 -		
90	1		1.2	1.4	9	Water at 212 in 35 Min		
	1	20	1.6	1.8	5	Log to 340		
100	1		1.4	1.6	5			
	1	30	1.5	1.5	3	Fill with wtr to 50 & Log		
110	1		1.5	1.3	5			
	1	40	1.1	1.7	1.3	wtr. Next AM at 230		
20	1				1.6			
	1	50			1.4	Drill to 457		
30	1				1.8			
	1	60			1.6			
40	1				1.4			
	1	70			1.2			
50	0				9			
	1	80			9			
60	1				7	Vent Perf. 221		
	1	90			7			
70	7				3			
	1.2	400			9			
80	8				1.6			
	1.2	10			1.4			
90	2.1				2.0			
	1.6	20			1.9			
200	1.3	10			1.5			
	1.3	9	30		1.4			
10	1.0	9			1.4			
	1.3	5	40		1.6			
20	3	7	5	45	1.7			
	3	7	5	50	1.4			
30	9	1.7	.8	55 TD 457	1.3			
	9	1.3	1.4					
40	4	6	5					
	4	7	5					
50	5	7	6					
	4	6	4					
60	4	7	5					
	4	6	4					
70	3	4	4					
	7	1.2	1.0					
80	1.2	1.5	1.2					
	1.2	1.5	1.1					
90	1.6	1.0	7					

135

12.2

13.5

A

=0.903

1215