

E

748
2A - 30-045-21721
300- 30-045-26884

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. 5 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL A #2A, #300

cps 1049w

Elevation 6283' Completion Date 7/26/76 Total Depth 560' 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. 240' & 415'

Depths gas encountered: N/A

Type & amount of coke breeze used: 47 SACKS

Depths anodes placed: 530', 520', 510', 500', 490', 480', 470', 440', 430', 420'

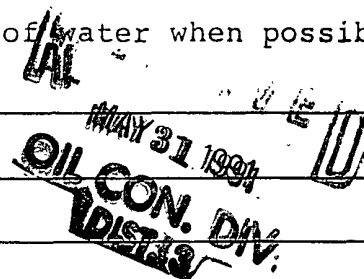
Depths vent pipes placed: N/A

Vent pipe perforations: 310'

Remarks: gb #1 HOLE CAVED. ALL ANODES GOT TIGHT AT ONCE.

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

Drilling Log (Attach Hereto). ☐

#200

Completion Date 7-26-76

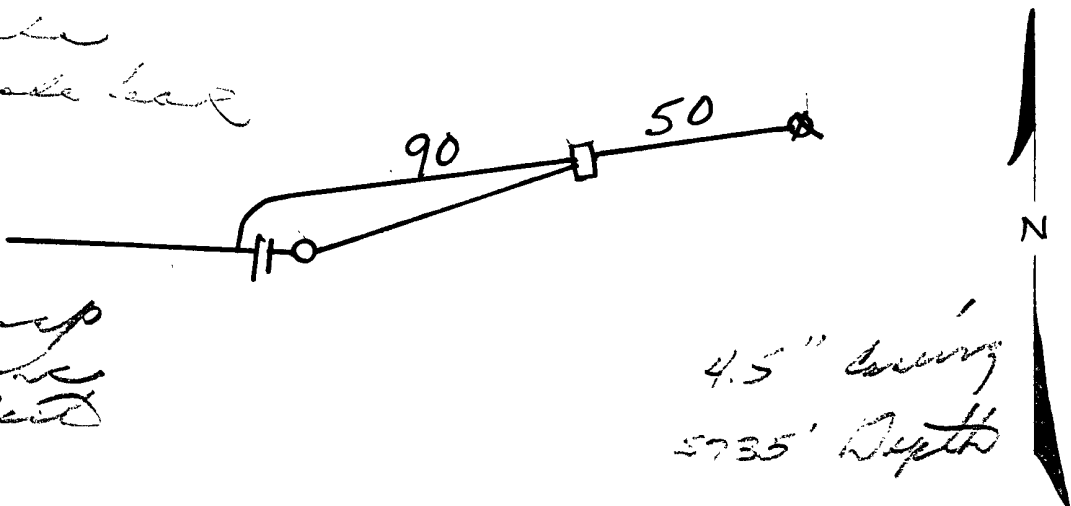
Well Name Howell A #2A		Location NW5-30-8		CPS No. 1049W	
Type & Size Bit Used 6 3/4				Work Order No. 57024-19-50-20	
Anode Hole Depth Log 560	Total Drilling Rig Time	Total Lbs. Coke Used 47	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 530	#2 520	#3 510	#4 500	#5 490	#6 480
#7 470	#8 440	#9 430	#10 420		
Anode Output (Amps)					
#1 3.4	#2 3.8	#3 4.6	#4 3.8	#5 2.6	#6 3.2
#7 3.0	#8 3.0	#9 2.7	#10 3.0		
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 Volts 11.5		Amps 17.0	Ohms 0.67	No. 8 C.P. Cable Used	
				No. 2 C.P. Cable Used	

Remarks: Driller said Wet at 240. Start water injection
Drill to 460, Water Next AM at 414, Log to 448'
Drilled to 560. Water at 415 when Driller got Pipe out
& We got Log in. (Est. 45 min.) Vent Perforated 310
4 Anodes Responded to dock - Hole Caved, all anodes
got tight at once - Could Hear Hole Caving -
Slurry 47 Coke

All Construction Completed

Handwritten signature: Daniels
(Signature)

GROUND BED LAYOUT SKETCH



4.5" casing
5735' Depth

6283

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

1976

MORNING

DAYLIGHT

EVENING

[illegible]

SIGNED: Toolpusher

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

1049W
7051W Howell #2 57024

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

240	46	2.0	Driller sand wet at 240 - Start in - Drill to 460 Wet point at 414' Log to 448 - Drilled to 560 Water at 415 in Est. 45M.
	70	2.1	
50		2.3	
	80	2.0	
60		2.0	
	90	2.2	
70		2.3	
	100	2.2	
80		2.2	
	10	2.3	
90		2.4	
	20	2.2	
100		2.2	Vent/Perf. 310' 47 Coke
	30	2.1	
110		1.4	
	40	.9	
120		.9	
	50	1.0	
130		1.0	
	60	1.4 TD	
140			
150			
160			
170			
180			
	1	520 2.6 34	
	2	520 3.0 38	
	3	510 3.0 46	
	4	500 3.2 38	
	5	490 2.6 2.6	
	6	480 3.2 3.2	
	7	470 2.6 3.0	
	8	440 2.8 3.0	
	9	430 2.7 2.7	
	10	420 2.8 3.0	
190			
200			
210			
220			
230			68 770 11.5W 17.0A = 0.67 10 20 1300 1260
	TL 2.5		
	20 2.4		
	1.9 2.3		
30			
	1.9 2.1		
	1.5 2.0		
40			
	1.9 2.1		
48			
50			
	1.9		
50			
	1.9		
	1.6		
60			
	1.9		