

793 3A-30-045-21958
303-30-045-26871

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

Operator MERIDIAN OIL Location: Unit F Sec. 35 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL L#3A, #303

cps 1097w

Elevation 6084' Completion Date 6/14/88 Total Depth 520' 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. 120' & 180'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 495', 450', 435', 380', 370', 360', 315', 250', 240, 230'

Depths vent pipes placed: 520' OF 1" PVC VENT PIPE

Vent pipe perforations: 320'

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) ☐

COMP 6-27-88 92

Completion Date 6/14/88

CPS #	Well Name Line or Plant	Work Order #	State	Ins. Union Check
1097W	Howell L-3A	2047986A		☐ Good ☐ Bad
	Howell L-303	071056807		NO INS. UNION ON HOWELL L-3
Location	Anode Size	Anode Type	Size Bit	
F-35-30-8	2" X 60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Log Time	Total Lbs. Coke Used	Lost Circulation Mat. Used
520'	520'			
Anode Depth				
= 1 495	= 2 450	= 3 435	= 4 380	= 5 370
= 6 360	= 7 315	= 8 250	= 9 240	= 10 23
Anode Output (Amps)				
= 1 3.5	= 2 2.8	= 3 2.7	= 4 3.3	= 5 7.6
= 6 3.5	= 7 3.6	= 8 3.5	= 9 3.2	= 10 3.4
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 11.9	Amps 18.4	Ohms .65		

Remarks: WATER AT 120, MAKING LOTS OF WATER AT 180! TOOK WATER SAMPLE, INSTALLED 520' of 1" P.V.C. VENT PIPE, PERFORATE 320,

G.B. 4074.00 -

Rectifier Size: 2 V 1 AAdd'l Depth: 20'Depth Credit: 140.00 ✓Extra Cable: 20'Ditch & 1 Cable: 480'25' Meter Pole: 120' Meter Pole: 110' Stub Pole: 1Junction Box: 1

225.00 -

4779.80

TAX 238.99

5018.79

9201

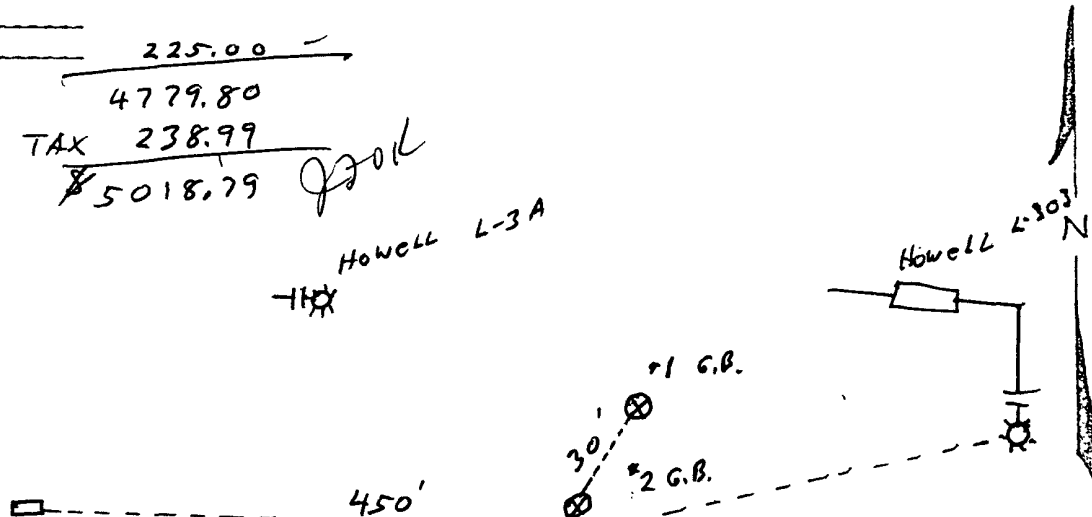
Howell L-3A

-11X

All Construction Completed

[Signature]
Signature

6084



D. CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Howell h 303 Date 6-13-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mexico

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	100	SANDSTONE
100	115	SAND ✓
115	120	SHALE
120	170	SANDSTONE
170	180	SAND ✓
180	220	SANDSTONE
220	270	SANDY SHALE
270	310	SANDSTONE
310	325	SANDY SHALE
325	365	SANDSTONE
365	390	SANDY SHALE
390	430	SANDSTONE

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 120' 180"

Driller Ronnie Brown

D. CRASS DRILLING CO.

Drill No. 9

DRILLER'S WELL LOG

S. P. No. Howell "L" 303 Date 6-13-88
Client Meridian Oil Co Prospect _____
County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
430	460	SANDY SHALE
460	495	SANDSTONE
495	510	SHALE
510	520	SANDSTONE

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: _____

Driller Ronnie Brown

Catholic Protection Services Co.
1608 Schofield Ln.
P.O. Box 8
Farmington, NM 87499
(505) 327-9215
(505) 325-1946

Date 6/14/88

Company Mexican Oil

Well No: _____ Location _____ Volts Applied 11.9 Amperes 184

5		230	2.1 - (10)	455	1.4	680	
10		235	2.2	460	1.2	685	
15		240	2.1 - (9)	465	1.0	690	4.95
20		245	1.8	470	.8	695	1 - 2.2 - 3.5
25		250	2.1 - (8)	475	.8	700	2.450 - 1.9 - 2.8
30		255	1.9	480	.9	705	3.435 - 1.9 - 2.7
35		260	1.2	485	1.0	710	4.380 - 2.1 - 3.3
40		265	.9	490	1.2	715	5.370 - 2.2 - 3.6
45		270	1.1	495	1.9 - (1)	720	6.360 - 2.0 - 3.5
50		275	.9	500	1.9	725	7.315 - 2.2 - 3.6
55		280	1.1	505	2.3	730	8.250 - 2.4 - 3.5
60		285	1.1	510	2.2	735	9.240 - 2.2 - 3.2
65		290	.9	515		740	10.230 - 2.3 - 3.4
70		295	.9	520	Drilled To	745	
75		300	1.0	525		750	
80		305	1.1	530		755	
85		310	1.8	535		760	
90		315	2.0 - (7)	540		765	
95		320	1.7	545		770	
100		325	1.0	550		775	
105		330	.9	555		780	
110		335	1.1	560		785	
115		340	1.1	565		790	
120	Water	345	1.1	570		795	
125		350	1.1	575		800	
130		355	1.3	580		805	
135		360	1.6 - (6)	585		810	
140		365	1.9	590		815	
145		370	1.8 - (5)	595		820	
150		375	1.7	600		825	
155		380	1.9 - (4)	605		830	
160		385	1.5	610		835	
165		390	1.3	615		840	
170		395	1.2	620		845	
175		400	.8	625		850	
180	1.1 Water	405	.9	630		855	
185	1.0	410	1.0	635		860	
190	1.1	415	.8	640		865	
195	1.1	420	.8	645		870	
200	1.1	425	1.3	650		875	
205	1.2	430	1.6	655		880	
210	1.8	435	1.7 - (3)	660		885	
215	1.4	440	1.4	665		890	
220	1.4	445	1.4	670		895	
225	1.9	450	1.6 - (2)	675		900	