

1119

30-045-20767

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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. 35 Twp 27 Rng 10Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #210

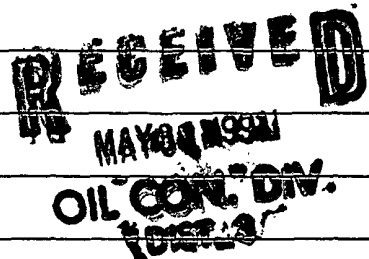
cps 174lw

Elevation 6561' Completion Date 8/30/84 Total Depth 350' Land Type* N/ACasing, Sizes, Types & Depths 40' OF 8" PVC CASINGIf 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. 60' - 80'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 330', 315', 300', 285', 260', 245', 230', 215', 200', 185'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: (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

Drilling Log (Attach Hereto) ☒Completion Date: 8/30/84

CPS #	Well Name Line or Plant	Work Order #	Static	Ins. Union Check
1741W	Hurford #210	54861-19-50-20	.75	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
SE35-27-10	2"x60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
350	345			
Anode Depth				
# 1 330	# 2 315	# 3 300	# 4 285	# 5 260
# 6 245	# 7 230	# 8 215	# 9 200	# 10 185
Anode Output (Amps)				
# 1 448	# 2 475	# 3 445	# 4 400	# 5 330
# 6 500	# 7 532	# 8 489	# 9 481	# 10 500
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 12.5	Amps 17.6	Ohms .71	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

Remarks: Water at 60'-80' Reamed & set 40' 8" PVC plastic casing (2 hrs rig time) drilled to 200' set over night blow mud & water next A.M. To mud die for sample.

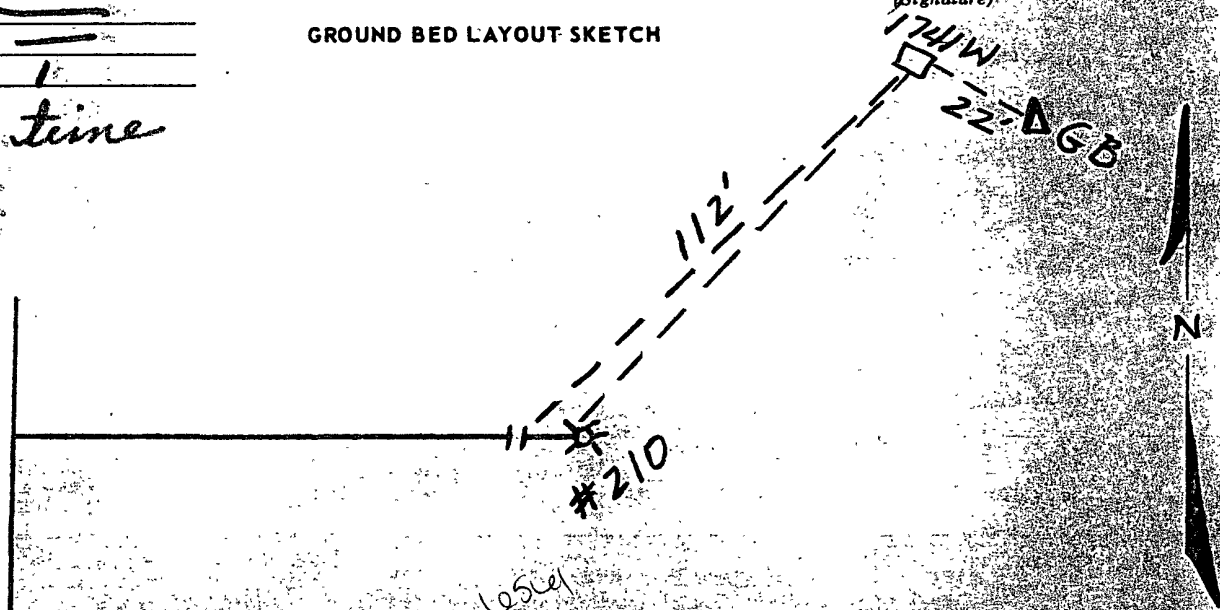
Rectifier Size: 40 V 16 A
 Addn'l Depth: _____
 Depth Credit: -155
 Extra Cable: 127
 Ditch & 1 Cable: 134
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: 1

2 hrs rig time
 10 hrs. R.T.
 1 Hr. O.T.

All Construction Completed

D.T.
 (Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-11455
OPERATOR: EL PASO NATURAL GAS
LOCATION: 35-27-10
FIELD: BALLARD
SAMPLED FROM: 80 FEET
DATE SAMPLED: AUGUST 30, 1984
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: SEPTEMBER 27, 1984
WELL NAME: HUERFANO #210 C.P.S. 1-141
COUNTY SAN JUAN STATE: NEW MEXICO
FORMATION:

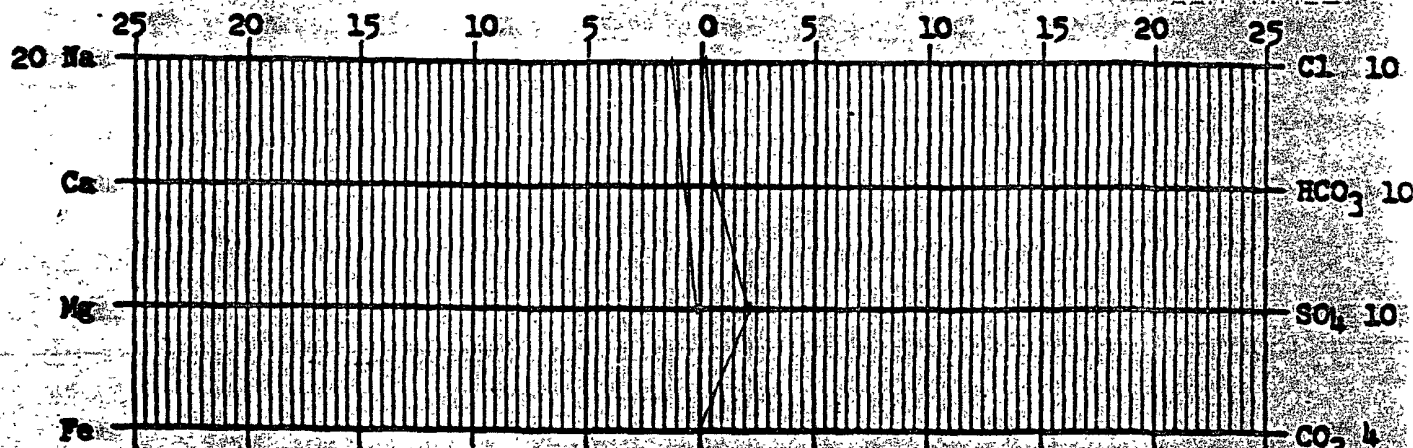
SECURED BY: BILL TATUM
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	25	7.6	304		
P ALKALINITY	25	0	0		
BICARBONATE	25	7.6	304	371	6.
CARBONATE	25	0	0	0	0.
CHLORIDE	25	.45		18	0.
SULFATE				1060	22.
TOTAL HARDNESS	25	1.1	44		
CALCIUM	25	1	40	16	0.
MAGNESIUM	25	.1	4	1	0.
IRON					
SODIUM (CALCULATED)				638	27.
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				2160	
pH				8.3	
SPECIFIC GRAVITY			AT 60F		
RESISTIVITY			286 OHM-CM AT		
CONDUCTIVITY			3500 MICROMHOS @ 25C		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

BY: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
E. R. PAULEK
U. B. SHROPSHIRE
FILE

Lennis Bird
CHEMIST **6CK**



CPS #: 1741W WELL NAME: Huertano 210 LOCATION: SE 35-27-10 DATE: 8/30/84

TOTAL VOLTS: 12.5 TOTAL AMPS: 17.6 OHMS RESISTANCE: .71

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	280	10	365			545			1	330	315	448
10			190	291		370			550			2	315	362	475
15			195	272		375			555			3	300	350	445
20			200	271	9	380			560			4	285	300	400
25			205	264		385			565			5	260	247	330
30			210	270		390			570			6	245	375	500
35			215	274	8	395			575			7	230	395	532
40			220	263		400			580			8	215	378	489
45			225	286		405			585			9	200	355	481
50			230	286	7	410			590			10	185	395	500
55			235	293		415			595						
60			240	306		420			600						
65			245	265	6	425			605						
70			250	228		430			610						
75			255	170		435			615						
80			260	200	5	440			620						
85			265	193		445			625						
90			270	182		450			630						
95			275	171		455			635						
100	202		280	154		460			640						
105	192		285	135	4	465			645						
110	191		290	237		470			650						
115	184		295	262		475			655						
120	144		300	260	3	480			660						
125	105		305	269		485			665						
130	117		310	258		490			670						
135	182		315	270	2	495			675						
140	183		320	264		500			680						
145	141		325	257		505			685						
150	120		330	244	1	510			690						
155	223		335	237		515			695						
160	162		340	204		520			700						
165	169		345	TD		525			705						
170	184		350			530			710						
175	261		355			535			715						
180	265		360			540			720						

REMARKS: Water at 60'. Planned & set 40' 8" PVC Plastic casing. Drilled to 200' set over night. Blow water in Sept Am. To mudlog for sample.

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor