

#62 30-045-06020
#224 30-045-20834

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. 4 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #62, #224

cps 950w

Elevation 6698' Completion Date 8/22/75 Total Depth 525' 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. 280'

Depths gas encountered: N/A

Type & amount of coke breeze used: 2500 lbs.

Depths anodes placed: 450', 440', 430', 420', 410', 400', 390', 380', 350', 340'

Depths vent pipes placed: N/A

Vent pipe perforations: 250'

Remarks: gd #1, gb #2

RECEIVED
MAY 31 1991
OIL CON
DIE

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 8-22-75

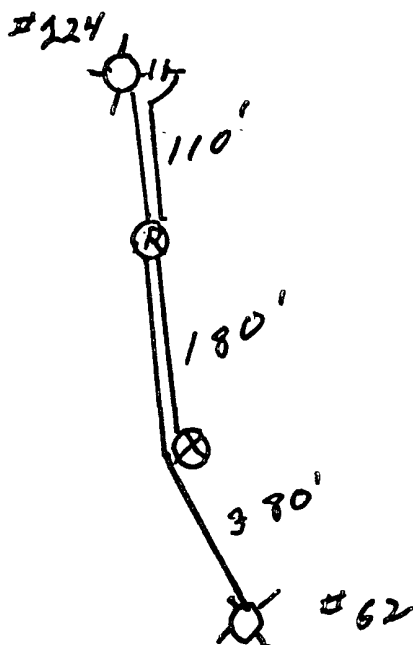
Well Name <u>HUETANO #224</u> <u>HUETANO #62</u>		Location <u>SE 4-26N-10W</u>		CPS No. <u>950W</u>						
Type & Size Bit Used <u>6 3/4</u>				W. <u>54920.19-50-2</u> <u>53070.19-50-2</u>						
Anode Hole Depth <u>525'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>2,500</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used						
Anode Depth	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
<u>450</u>	<u>440</u>	<u>430</u>	<u>420</u>	<u>410</u>	<u>400</u>	<u>390</u>	<u>380</u>	<u>350</u>	<u>3</u>	<u>3</u>
Anode Output (Amps)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
<u>3.4</u>	<u>3.4</u>	<u>3.6</u>	<u>3.4</u>	<u>4.0</u>	<u>4.0</u>	<u>3.8</u>	<u>3.8</u>	<u>3.2</u>	<u>3</u>	<u>3</u>
Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
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Total Circuit Resistance	Volts <u>11.8</u>		Amps <u>14.5</u>		Ohms <u>0.81</u>		No. 8 C.P. Cable Used <u>4300</u>		No. 2 C.P. Cable Used	

Remarks: Drill with Air. Driller said water at 280'. Logging anode went to 310. Driller went back in hole to clean out. 2nd time logging anode went to 501'. All anodes responded to coke but apparently coke br. up hole left tied off over weekend vent per 8-25-75 coke still had not settled in hole. set June box

All Construction Completed

Edward R. Paulek
(Signature)

GROUND BED LAYOUT SKETCH





Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

Work Order No. 54921 - 19-17-20

Thi file unit e 224-62

LITHOLOGIC LOG

INSTRUCTIONS:

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name W. A. Brown

Address _____

Well driller's license number _____

Signed _____

Date _____

Date started _____, 19____

Date completed _____, 19__

Customer's Signature

By C. Herbert H. Justice

950 W

Wt%	Gas	BTU/mol
16	C ₁	9.4
30	C ₂	15.2
44	C ₃	16.42
58	IC ₄	17.38
72	NC ₄	17.83
86	IC ₅	18.71
100	IC ₆	19.59
114	C ₇	20.46
128	C ₈	21.34
142	C ₉	22.21

Wt%	Gas	BTU/mol
14	CO ₂	14.5
34	H ₂ S	17.5
28	N ₂	11.5
2	H ₂	1.5

280	1.2	60	1.4	Driller said water AT 280 Vent Perforated 250'	
	1.2		1.4		
90	1.2	70	1.2		
	1.2		1.2		
300	1.0	80	1.2	501 BOTTOM	
	.8		1.0		
10	.8	90	1.0		
	.8		.8		
20	1.0	500			
	1.0				
30	1.0	10			
	1.4				
① 40	1.8	20			
	1.8				
② 50	1.5				
	1.4				
60	1.4				
	1.2				
70	1.4				
	1.6				
⑤ 80	2.0				
	2.0				
② 90	1.8				
	1.8				
③ 100	2.0				
	1.8				
③ 10	1.8				
	1.8				
③ 20	2.0				
	1.8				
③ 30	1.8				
	1.8				
② 40	1.8				
	1.8				
① 50	1.8				
	1.8				

4			
1	450	2.2	3.4
2	440	2.2	3.4
3	430	2.2	3.6
4	420	2.4	3.4
5	410	2.4	4.0
6	400	2.4	4.0
7	390	2.4	3.8
8	380	2.4	3.8
9	350	1.8	3.2
10	340	2.2	3.6

4010 11.8 14.5 0.8
 300
 4310

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cps 950w

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Depths & thickness of water zones with description of water when possible:
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Depths gas encountered: N/A

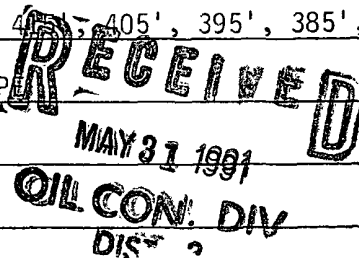
Type & amount of coke breeze used: N/A

Depths anodes placed: 465', 455', 445', 435', 425', 405', 395', 385', 355'

Depths vent pipes placed: 500' OF 1" PVC VENT PIPE

Vent pipe perforations: ALL BUT TOP 100'

Remarks: qb #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.

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If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☒

Redwill

Completion Date 11-8-85

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check																																																																																																
950-W	HUERFANO #224	54920		☒ Good ☐ Bad																																																																																																
Location	Anode Size	Anode Type	Size Bit																																																																																																	
SEA-26-10	2" X 60"	Duriron	6 3/4																																																																																																	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Goke Used	Lost Circulation Mat'l Used																																																																																																
500'	490'																																																																																																			
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Remarks: Drilled to 500' LOGGED 490' WATER AT 170', 220' + 300'
UNABLE TO GET ENOUGH WATER FOR SAMPLE. INSTALLED 500'
of 1" PVC VENT PIPE; PERFORATED ALL BUT TOP 100' of
VENT PIPE

Rectifier Size: _____ V _____ A
 Addn'l Depth _____
 Depth Credit: 10' x 3.00 = 30.00
 Extra Cable: 10' x .37 = 3.70
 Ditch & 1 Cable: 55' x 1.35 = 74.25
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

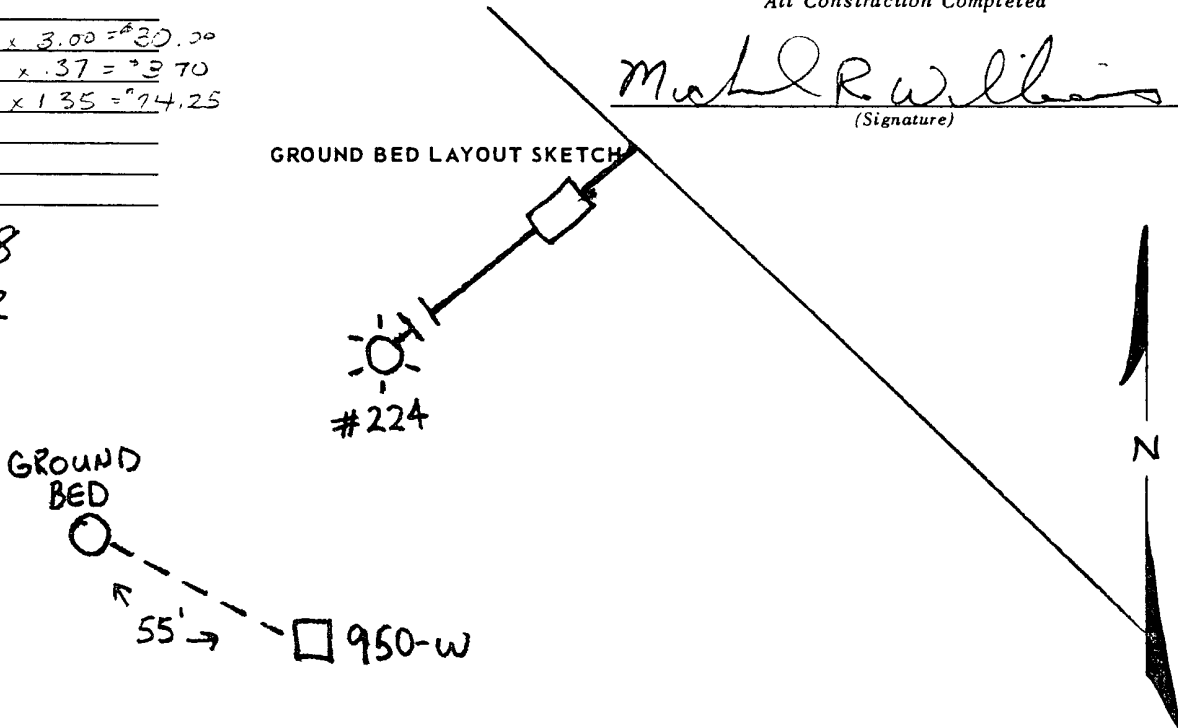
Reg. HRS 8
OT. HRS 2

\$4740.00
 - 30.00
 3.70
 74.25
 \$4787.95
 300.00 JT. 60x
 5087.95

All Construction Completed

M. R. Williams
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 950-W WELL NAME: HUERFANO #224 LOCATION: SE4-26-10 DATE: 11-8-85

TOTAL VOLTS: 12.2 TOTAL AMPS: 25.2 OHMS RESISTANCE: .48

												ANODE READINGS			
DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5		185		365	2.3		545					①	465	2.7	4.7
10		190		370	2.3		550					②	455	2.7	5.5
15		195		375	2.2		555					③	445	2.7	5.6
20		200		380	2.5		560					④	435	2.8	6.3
25		205		385	2.7	⑨	565					⑤	425	2.8	5.7
30		210		390	2.3		570					⑥	415	2.8	6.1
35		215		395	2.6	⑧	575					⑦	405	2.8	4.6
40		220		400	2.6		580					⑧	395	2.8	6.1
45		225		405	2.7	⑦	585					⑨	385	2.7	5.4
50		230		410	2.8		590					⑩	355	2.7	5.6
55		235		415	2.7	⑥	595								
60		240		420	2.7		600								
65		245		425	2.6	⑤	605								
70		250	1.4	430	2.5		610								
75		255	.8	435	3.1	④	615								
80		260	1.0	440	2.5		620								
85		265	1.1	445	2.9	③	625								
90		270	.9	450	2.8		630								
95		275	1.1	455	2.6	②	635								
100		280	1.6	460	2.7		640								
105		285	1.9	465	2.7	①	645								
110		290	2.0	470	2.4		650								
115		295	1.9	475	2.5		655								
120		300	1.5	480	2.3		660								
125		305	1.2	485	2.3		665								
130		310	1.5	490	2.3		670								
135		315	2.0	495			675								
140		320	2.3	500			680								
145		325	1.9	505			685								
150		330	1.6	510			690								
155		335	1.6	515			695								
160		340	1.7	520			700								
165		345	1.7	525			705								
170		350	2.6	530			710								
175		355	2.7	⑩	535		715								
180		360	2.6	540			720								

REMARKS: DRILLED TO 500' LOGGED 490' WATER AT 170' 220'
4300' UNABLE TO GET ENOUGH WATER FOR SAMPLE; PERFORATED
400' of 500' of 1" PVC VENT PIPE.

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher _____ Company Supervisor _____