

70-30-045-05975
230-30-045-20910

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. 8 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #70, #230

cps 954w

Elevation 6563' Completion Date 8/11/83 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. 30' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs.

Depths anodes placed: 455', 445', 435', 425', 395', 385', 345', 335', 325', 295'

Depths vent pipes placed: 480' OF 1" PVC VENT PIPE

Vent pipe perforations: 480'

Remarks: Cgb. #2.

RECEIVED
MAY 31 1991
OIL CON. U.
DIST. 3

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 8-11-83

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check																																																																																									
954-W		HURSTANO #70		184-53075-19				☒ Good ☐ Bad																																																																																									
		HURSTANO #230		184-55230-19																																																																																													
Location: NW 8-26-10		Anode Size: 2"		Anode Type: DURIRON		Size Bit: 6 3/4																																																																																											
Depth Drilled: 520'		Depth Logged: 480'		Drilling Rig Time:		Total Lbs. Coke Used: 4100		Lost Circulation Mat'l Used:																																																																																									
No. Sacks Mud Used:																																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Anode Depth</td> <td colspan="2"># 1 455</td> <td colspan="2"># 2 445</td> <td colspan="2"># 3 435</td> <td colspan="2"># 4 425</td> <td colspan="2"># 5 395</td> <td colspan="2"># 6 385</td> <td colspan="2"># 7 345</td> <td colspan="2"># 8 335</td> <td colspan="2"># 9 325</td> <td colspan="2"># 10 295</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td colspan="2"># 1 4.2</td> <td colspan="2"># 2 4.7</td> <td colspan="2"># 3 5.1</td> <td colspan="2"># 4 3.7</td> <td colspan="2"># 5 6.3</td> <td colspan="2"># 6 4.4</td> <td colspan="2"># 7 5.0</td> <td colspan="2"># 8 5.6</td> <td colspan="2"># 9 4.0</td> <td colspan="2"># 10 6.0</td> </tr> <tr> <td colspan="2">Anode Depth</td> <td colspan="2"># 11</td> <td colspan="2"># 12</td> <td colspan="2"># 13</td> <td colspan="2"># 14</td> <td colspan="2"># 15</td> <td colspan="2"># 16</td> <td colspan="2"># 17</td> <td colspan="2"># 18</td> <td colspan="2"># 19</td> <td colspan="2"># 20</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td colspan="2"># 11</td> <td colspan="2"># 12</td> <td colspan="2"># 13</td> <td colspan="2"># 14</td> <td colspan="2"># 15</td> <td colspan="2"># 16</td> <td colspan="2"># 17</td> <td colspan="2"># 18</td> <td colspan="2"># 19</td> <td colspan="2"># 20</td> </tr> </table>										Anode Depth		# 1 455		# 2 445		# 3 435		# 4 425		# 5 395		# 6 385		# 7 345		# 8 335		# 9 325		# 10 295		Anode Output (Amps)		# 1 4.2		# 2 4.7		# 3 5.1		# 4 3.7		# 5 6.3		# 6 4.4		# 7 5.0		# 8 5.6		# 9 4.0		# 10 6.0		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	
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Total Circuit Resistance				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used																																																																																									
Volts 12.3 Amps 21.6 Ohms .57																																																																																																	

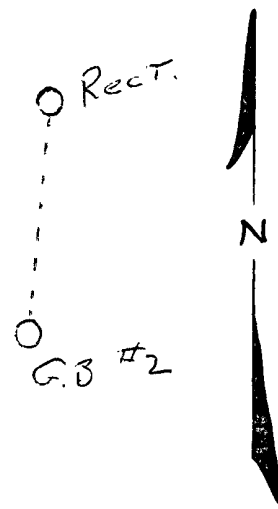
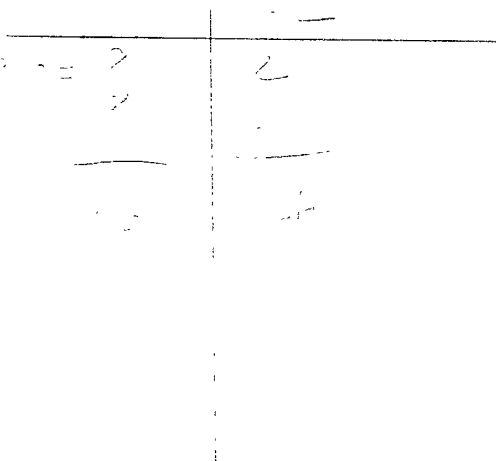
Remarks: DRILLER SAID HIT WATER AT 30'. HAD APPROX. 10' OF WATER STANDING IN HOLE NEXT A.M. GOT WATER SAMPLE. INSTALLED 480' OF 1" VENT PIPE. PERFORATED 480' OF VENT PIPE. STURRIED 4100 LBS. OF COKE BREEZE

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: 20'
 Extra Cable: 5'
 Ditch & 1 Cable: 42'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

Steven Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

LEASE CPS 954W WELL NO. 70-230 CONTRACTOR Loftis CC RIG NO. IR1 REPORT NO. DATE 8-11 19 83

[illegible]

SIGNED: Toolpusher

____ Company Supervisor

Roger Smith

CPS 754-W
HURDANO # 70
HURDANO # 230
NUGS-502-10

W/O
184-53075-19-50-20-63
184-55230-19-50-20-63

1	30	1.1	30	1.8	30	2.2	
2	35	2.1	35	1.5	35	2.2	①
3	40	2.2	40	1.3	40	2.2	
4	45	2.3	45	1.1	45	2.2	①
5	50	2.3	50	1.2	50	2.1	
6	55	2.3	55	1.8	55	2.0	①
7	60	2.4	60	1.9	60	1.9	
8	65	2.4	65	2.2	65	1.8	
9	70	2.4	70	2.2	70	1.5	
10	75	2.1	75	2.2	75	1.5	
11	80	2.0	80	2.3	80		T.D
12	85	1.9	85	2.3	85		
13	90	1.2	90	2.2	90		
14	95	1.90	95	2.0	95		①
15	100	1.70	300	1.9	500		
16	05	1.60	05	1.2	05		
17	10	1.80	10	1.3	10		
18	15	1.5	15	1.8	15		
19	20	1.4	20	1.9	20		
20	25	1.2	25	2.1			①
21	30	1.3	30	2.2			
22	35	1.7	35	2.2			①
23	40	2.2	40	2.2			
24	45	2.2	45	2.0			①
25	50	2.0	50	1.9			
26	55	1.8	55	1.2			
27	60	1.7	60	1.0			① 455 2.5 4.2
28	65	1.6	65	1.0			② 445 2.8 4.7
29	70	2.0	70	1.0			③ 435 2.7 5.1
30	75	2.1	75	1.1			④ 425 2.4 3.7
31	80	2.3	80	1.9			⑤ 395 3.5 6.3
32	85	2.2	85	2.4			⑥ 385 2.7 4.4
33	90	2.2	90	2.4			⑦ 345 2.9 5.0
34	95	2.3	95	2.4			⑧ 335 2.9 5.6
35	200	2.3	400	1.7			⑨ 325 2.7 4.0
36	05	2.2	05	1.3			⑩ 295 3.2 6.0
37	10	2.3	10	1.1			
38	15	2.3	15	1.3			
39	20	2.3	20	1.4			
40	25	2.1	25	1.9			
41							

12.3 V 21.6 A 57 n

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

Analysis No. 1-10835 Date September 14, 1983

Operator El Paso Natural Gas Well Name Huerfano #230 CPS 954W

Location NW 8-26-10 County San Juan State New Mexico

Field Ballard Formation _____

Sampled From 30 feet

Date Sampled August 11, 1983 By Willis Knight

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

	ppm	epm		ppm	epm
Sodium	<u>301</u>	<u>13.1</u>	Chloride	<u>292</u>	<u>8.2</u>

	ppm	epm		ppm	epm
Calcium	<u>19</u>	<u>1.0</u>	Bicarbonate	<u>183</u>	<u>3.0</u>

	ppm	epm		ppm	epm
Magnesium	<u>4</u>	<u>0.3</u>	Sulfate	<u>150</u>	<u>3.1</u>

	ppm	epm		ppm	epm
Iron	_____	_____	Carbonate	<u>0</u>	<u>0</u>

	ppm	epm		ppm	epm
H ₂ S	_____	_____	Hydroxide	<u>0</u>	<u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 922

pH 8.2

Sp. Gr. 0.9994 At 60°F

Resistivity 500 ohm-cm at 74°F

Dennis P. Bird GCK
Chemist

