

1058

79-30-045-06120

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082-30-045-22925

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

Operator MERIDIAN OIL Location: Unit NE Sec. 31 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #79, #282

cps 1731w

Elevation 6074' Completion Date 11/9/84 Total Depth 200' 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. 40' & 180' - 200' SAMPLE TAKEN

Depths gas encountered: N/A

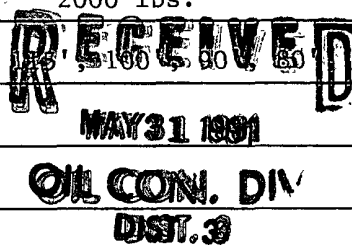
Type & amount of coke breeze used: 2000 lbs.

Depths anodes placed: 155', 145', 135', 125', 115', 100', 90', 80', 63', 48'

Depths vent pipes placed: 200'

Vent pipe perforations: 180'

Remarks: 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 11-9-84

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check:
1731-W	Huerfano #282 #79	57395-21-50-20 52977-19-50-20	RIC: 75 600' S RIC: 79 600' N	☒ Good 28 ma 59 ma
Location	Anode Size	Anode Type	Size Bit	
NE 31-27-10	2" X 60"	2" X 60"	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
200	199		2,000	
Anode Depth				
# 1 155	# 2 145	# 3 135	# 4 125	# 5 115
# 6 100	# 7 90	# 8 80	# 9 63	# 10 48
Anode Output (Amps)				
# 1 2.58	# 2 3.08	# 3 4.22	# 4 4.18	# 5 4.00
# 6 4.85	# 7 4.52	# 8 3.60	# 9 4.24	# 10 4.91
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 12.1	Amps 16.2	Ohms .74		

Remarks: Drilled to 40'. Blew water from hole next morning. water making sand at 30'. found shale + sandy shale to 160. Drilled into sand to 200'. Stopped Drilling to avoid caving shale. Hole making good water from 180' to 200'. Installed 200' of 1" pvc vent pipe, 180' with perforations. Stuccoed 2,000 lbs coke down hole.

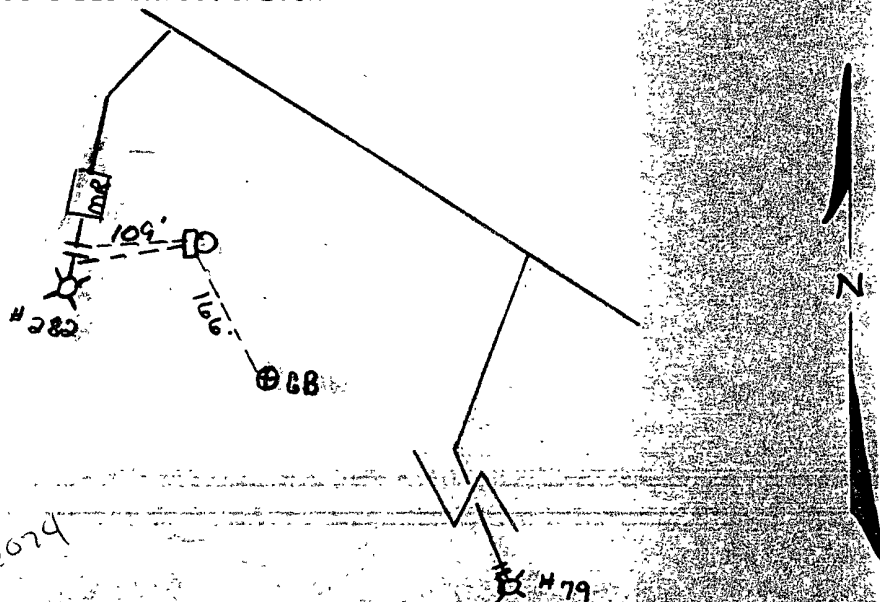
Rectifier Size: 60 V 30 A ✓
 Addn'l Depth _____
 Depth Credit: 301' ✓
 Extra Cable: 129' ✓
 Ditch & 1 Cable: 275' ✓
 25' Meter Pole: _____
 20' Meter Pole: 1 ✓
 10' Stub Pole: _____

O.V. Time = 0
 Req. T. me = 8 hrs ✓

All Construction Completed

C.W. Donohue
 (Signature)

GROUND BED LAYOUT SKETCH



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

ANALYSIS NO.: 1-11498
OPERATOR: EL PASO NATURAL GAS
LOCATION: 31-27-10
FIELD: ANGEL PEAK
SAMPLED FROM: CPS 1771 @ 40 FT.
DATE SAMPLED: 11-9-84
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: 11-27-84
WELL NAME: HUERFANO #282 (CPS 1771)
COUNTY: SAN JUAN STATE: NEW MEXICO
FORMATION:
SECURED BY: BILL DONAHUE
CASING PRESSURE:

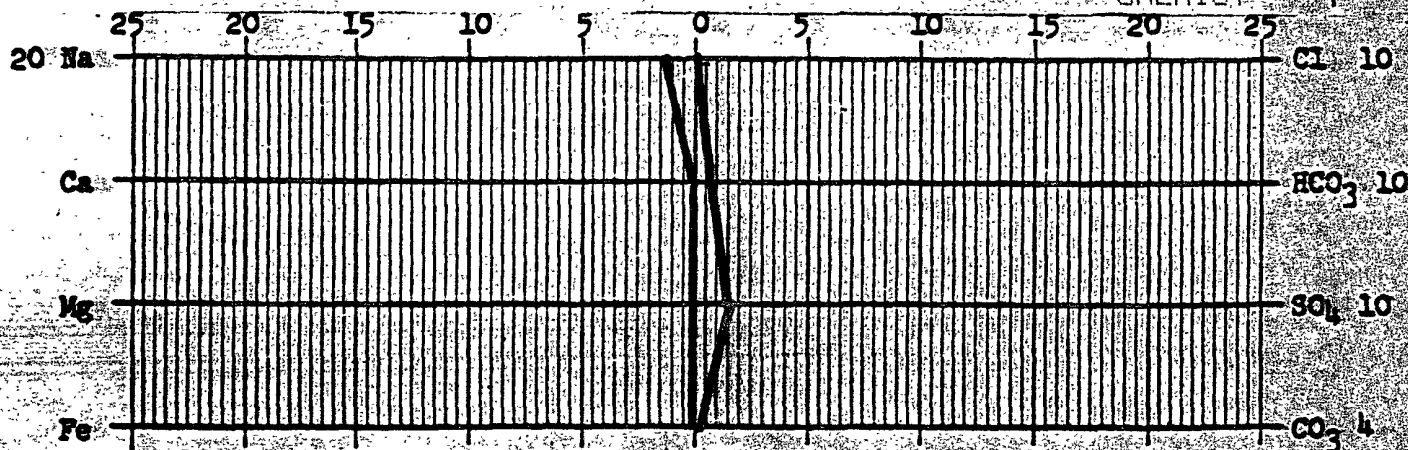
	SAMPLE SIZE	ml.	TIT	AS CaCO ₃	AS ION	apm
TOTAL ALKALINITY	50		17.6	352		
P ALKALINITY	50		.9	18		
BICARBONATE	50		15.3	346	386	6.
CARBONATE	50		1.2	36	22	0.
CHLORIDE	50		.6		12	0.
SULFATE					753	15.
TOTAL HARDNESS	50		0	0		
CALCIUM	50		0	0	0	0.
MAGNESIUM	50		0	0	0	0.
IRON					NT	
SODIUM (CALCULATED)					535	23.
H ₂ S					NT	
HYDROCARBONS					ND	
TOTAL DISSOLVED SOLIDS					1510	
pH					8.9	
SPECIFIC GRAVITY				AT 60F	1.0009	
RESISTIVITY				357 OHM-CM @ 25C		
CONDUCTIVITY				2800 MICROMHOS @ 25C		

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

CC: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
E. R. PAULEK
W. B. SHROPSHIRE
FILE

D. P. BIRD

CHEMIST



CONSTRUCTION LOGGING READINGS

CPS #: 1731-W WELL NAME: Huerfano #282 + 79 LOCATION: NE 31-27-10 DATE: 11-9-84

TOTAL VOLTS: 121 TOTAL AMPS: 16.2 OHMS RESISTANCE: .74

Readings Logged Thru 800' spool

												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	.28		365			545			1	155	1.49	2.58
10			190	.28		370			550			2	145	1.69	3.08
15			195	.199		375			555			3	135	2.34	4.22
20			Drilled 200			380			560			4	125	2.42	4.18
25			205			385			565			5	115	2.60	4.00
30			210			390			570			6	100	3.26	4.85
35			215			395			575			7	90	3.26	4.52
40			220			400			580			8	80	2.23	3.60
45	2.61		225			405			585			9	63	2.94	4.24
50	3.05	✓ 10	230			410			590			10	48	3.27	4.91
55	3.13		235			415			595						
60	3.09	✓ 9	240			420			600						
65	2.04		245			425			605						
70	1.10		250			430			610						
75	1.18		255			435			615						
80	2.38	✓ 8	260			440			620						
85	2.91		265			445			625						
90	2.89	✓ 7	270			450			630						
95	2.45		275			455			635						
100	2.73	✓ 6	280			460			640						
105	2.80		285			465			645						
110	2.71		290			470			650						
115	2.58	✓ 5	295			475			655						
120	2.01		300			480			660						
125	2.35	✓ 4	305			485			665						
130	2.57		310			490			670						
135	2.05	✓ 3	315			495			675						
140	1.77		320			500			680						
145	1.47	✓ 2	325			505			685						
150	1.00		330			510			690						
155	1.42	✓ 1	335			515			695						
160	.98		340			520			700						
165	.53		345			525			705						
170	.34		350			530			710						
175	.35		355			535			715						
180	.31		360			540			720						

REMARKS: Drilled to 40'. Blew water from hole next morning. water making sand at 30'. found shale + sandy shale to 160'. Drilled into sand to 200'. Stopped drilling to avoid caving shale. Hole making good water from 180' to 200'. Installed 200' of 1" P.V.C. vent pipe, 180' with perforations. Slurried 2,000 lbs Coke down hole.

CP# 1731-W Hurricane
 LEASE WELL NO. #282 CONTRACTOR CORR. CONTROL RIG NO. 102 REPORT NO. DATE Nov 9 1984

MORNING					DAYLIGHT					EVENING				
Driller: TERENCE LARGENT Total Men In Crew 3					Driller: _____ Total Men In Crew _____					Driller: _____ Total Men In Crew _____				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
0	20	SAND												
20	40	SAND (WATER)												
40	160	SANDY SHALE												
160	200	SAND												

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SE - NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____
SIZE _____		SINGLES _____	SIZE _____		SINGLES _____	SIZE _____		SINGLES _____
TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____
MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS - DRILLED TO 40 ON 11-8-84 NEXT MORNING BLEW WATER OUT OF HOLE. DRILLED TO 180 FEET HIT MORE WATER, MAKING 10 TO 15 GALLONS PER MINUTE.	REMARKS -

SIGNED: Toolpusher

Terence Largent

Company Supervisor

C.W. Donohue