

1120 #128 30-045-06172
#257 30-045-21408

E

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. 36 Twp 27 Rng 19

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #257, #128

cps 1740w

Elevation 6515' Completion Date 11/6/84 Total Depth 340' Land Type* N/A

Casing, Sizes, Types & Depths 18' OF 8" PVC CASING

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'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3390 lbs.

Depths anodes placed: 310', 290', 280', 270', 260', 195', 185', 175', 155', 145'

Depths vent pipes placed: 340'

Vent pipe perforations: 240'

Remarks: cg5-#1-

RECEIVED

MAY 31 1991

OIL CON. DIV
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 LOGDrilling Log (Attach Hereto) ☒

Completion Date 11-6-84

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1740-W	Huerfano #257 #128	55606-21-50-20 54172-19-50-20	-78 600 N -78 600 N	☒ Good ☐ Bad 113 mol = 957 142 mol = 128
Location:	Anode Size:	Anode Type:	Size Bit:	
NW36-27-10	2" X 60"	Duriron	63/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
340	339		3,390 lbs	
Anode Depth				
# 1 310	# 2 290	# 3 280	# 4 270	# 5 260
# 6 195	# 7 185	# 8 175	# 9 155	# 10 145
Anode Output (Amps)				
# 1 4.00	# 2 4.57	# 3 4.22	# 4 4.45	# 5 4.60
# 6 3.93	# 7 4.46	# 8 4.20	# 9 3.45	# 10 3.75
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 18.0	Ohms .67		

Remarks: Drilled to 120 too wet to drill with air. Set 18' of 8" PVC casing to hold gravel at Top Hole. Found good shale at 140' to 200'. Found good shale from 250' to bottom of hole. Installed 340' of 1" P.V.C vent pipe. 240' with perforations. Slurried approx. 3,390 lbs coke down hole.

1 hr to set casing

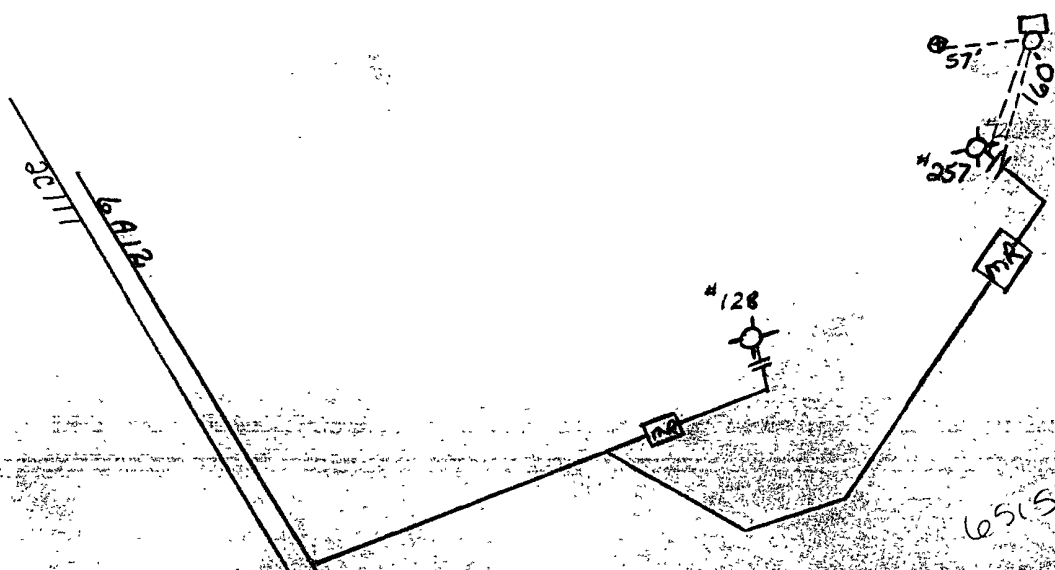
Rectifier Size: 60 V 30 A
 Addn'l Depth:
 Depth Credit: 161'
 Extra Cable: 180'
 Ditch & 1 Cable: 217'
 25' Meter Pole:
 20' Meter Pole: 1
 10' Stub Pole:

Overtime = 1
 Req. Time = 8
 ✓

All Construction Completed

C.W. Donohue
 (Signature)

GROUND BED LAYOUT SKETCH



CPS #: 1740-W WELL NAME: *Huerfano #257+128* LOCATION: *NW36-27-10* DATE: *11-6-84*

TOTAL VOLTS: *12.1* TOTAL AMPS: *18.0* OHMS RESISTANCE: *.67*

Readings Thru 1,350' spool

Drilled 340' Logged 339'

												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	2.13	⑦	365			545			1	310	2.37	4.00
10			190	2.06		370			550			2	290	2.41	4.57
15			195	1.95	⑥	375			555			3	280	2.27	4.22
20			200	1.70		380			560			4	270	2.22	4.45
25			205	1.11		385			565			5	260	2.19	4.60
30			210	.97		390			570			6	195	2.20	3.93
35			215	.84		395			575			7	185	2.27	4.46
40			220	1.07		400			580			8	175	2.20	4.20
45			225	1.14		405			585			9	155	2.00	3.45
50			230	1.26		410			590			10	145	2.25	3.75
55			235	1.42		415			595						
60			240	1.27		420			600						
65			245	.98		425			605						
70			250	1.15		430			610						
75			255	1.54		435			615						
80			260	1.81	③	440			620						
85			265	2.01		445			625						
90			270	1.99	④	450			630						
95			275	2.04		455			635						
100	.85		280	1.97	③	460			640						
105	.86		285	1.99		465			645						
110	1.02		290	2.08	②	470			650						
115	1.09		295	2.13		475			655						
120	.86		300	2.12		480			660						
125	.80		305	2.02		485			665						
130	1.48		310	1.92	①	490			670						
135	1.87		315	1.64		495			675						
140	2.06		320	1.60		500			680						
145	1.98	⑩	325	1.37		505			685						
150	1.85		330	1.41		510			690						
155	1.86	⑨	335	3.39	TD	515			695						
160	1.78		340			520			700						
165	1.76		345			525			705						
170	1.71		350			530			710						
175	1.83	⑧	355			535			715						
180	1.96		360			540			720						

water zone

REMARKS: *Drilled to 120', found water. Set 12' of 8" pvc. casing to hold top of hole. Found good shale 140' to 300'. Found good shale from 250' to bottom of hole. Installed 340' of 1" pvc vent pipe, 240' with perforations. Slugged approx. 3,890 lbs coke down hole.*

LEASE HUERFANO WELL NO. 257 CONTRACTOR CORR. CONTROL RIG NO. 102 REPORT NO. DATE Nov 6 1984

MORNING					DAYLIGHT					EVENING				
Driller <u>TERENCE LARGENT</u> Total Men In Crew <u>3</u>					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	CASING			120	200	SHALE							
20	60	SHALE & CLAY			200	260	SAND & BENTONITE STRMS.							
60	100	SANDSTONE			260	320	SANDY SHALE							
100	120	SAND (WATER)			320	340	BENTONITE & SAND							

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
S L 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.			

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

REMARKS -	REMARKS - <u>DRILLED TO 115' ON</u> <u>11-5-84, NEXT MORNING SET</u> <u>CASING TO HOLD GRAVEL</u> <u>AT 15 FEET, SET CASING</u> <u>STRATED DRILLING WITH</u> <u>WATER, NOTICE MAKING</u> <u>3 TO 5 PER MINUTE BETWEEN</u> <u>CONNECTIONS.</u>	REMARKS -

SIGNED: Toolpusher

Terence Largent

Company Supervisor

C.W. Donohue