

S/N 40820338

Depth	Logging Volts: 13.79		Geological Log	Depth	Logging Volts: 13.79		Geological Log	No.	Depth	No Coke	With Coke
	Amps	Ohms			Amps	Ohms					
5			0 to 3' Top soil	205	1.90	7.26		1	295'	3.00	7.40
10			3' to 55' Brown clay	210	0.90	15.32		2	285'	2.70	7.60
15				215	1.00	13.79		3	275'	2.80	7.60
20				220	0.90	15.32		4	265'	1.50	6.40
25	1.90	7.26		225	1.10	12.54		5	255'	1.00	4.30
30	2.10	6.57		230	1.00	13.79		6	245'	1.00	4.20
35	2.00	6.90		235	0.90	15.32		7	235'	0.90	4.10
40	1.90	7.26		240	0.90	15.32		8	225'	1.10	4.20
45	1.50	9.19		245	1.00	13.79		9	215'	1.00	4.10
50	1.60	8.62		250	1.00	13.79		10	205'	1.70	5.10
55	1.40	9.85	55' to 83' Med sand/clay	255	1.00	13.79		11	195'	1.90	5.60
60	1.10	12.54		260	1.00	13.79		12	185'	1.60	6.00
65	1.20	11.49		265	1.10	12.54		13	175'	0.90	4.40
70	1.20	11.49		270	2.20	6.27		14	165'	0.80	4.00
75	1.10	12.54		275	2.80	4.93		15	155'	0.70	3.50
80	0.90	15.32		280	2.90	4.76		16	145'	0.70	3.20
85	0.90	15.32	83' to 120' Gray shale	285	2.90	4.76		17	135'	0.70	2.80
90	1.90	7.26		290	2.70	5.11		18	125'	0.80	2.80
95	1.90	7.26		295	3.00	4.60		19	115'	0.90	2.80
100	1.40	9.85		300	2.60	5.30		20	105'	1.60	2.90
105	1.60	8.62		305				21			
110	1.00	13.79		310				22			
115	0.90	15.32		315				23			
120	0.80	17.24	120' to 165' Sand/Shale	320				24			
125	0.70	19.70		325				25			
130	0.70	19.70		330				26			
135	0.70	19.70		335				27			
140	0.70	19.70		340				28			
145	0.70	19.70		345				29			
150	0.70	19.70		350				30			
155	0.70	19.70		355				31			
160	0.80	17.24		360				32			
165	0.80	17.24	165' to 305' Gray Shale	365				33			
170	0.80	17.24		370				34			
175	0.80	17.24		375				35			
180	1.40	9.85		380				36			
185	1.60	8.62		385				37			
190	2.00	6.90		390				Volts		13.79	13.79
195	1.90	7.26		395				Amps		27.30	93.00
200	2.60	5.30		400				Ohms		0.51	0.15
Hole Dia.:		10"	Total Depth: 300'			Casing: Feet: 20'		Dia.: 10"		Type: PVC SDR-21	
No. Anodes:		20	Size and Type: 2660 CAST IRON			Anode Lead:		Size: #8		Type: HALAR	
Lbs. Coke:		8250	Coke Type: LORESCO SC-3			Top of Coke Column: 43'		Vent:		240'	
Lbs. Plug:		2000	Plug Type: BENTONITE			Top of Plug: 4' BELOW GRADE					



POSITIVE TO RECTIFIER
RECTIFIER GPS
38.131227
-99.715585

ANODE
JUNCTION BOX
38.130764
-99.715030

10'

AJB

DEEP GROUND BED
38.130744
-99.715020

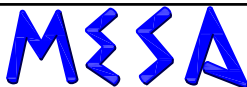
IRRIGATION PIPING

14'

12'

NOTES:

ANODE: 20 2660 CAST IRON
ANODES
COKE BREEZE: 8250# LORESCO SC3



TULSA, OK | Dallas-Ft. Worth, TX | Houston, TX | Tallahassee, FL | Wapakoneta, OH

THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF MESA. AND HAS BEEN PRODUCED SOLELY FOR THE USE OF OUR CLIENT. THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE USED, DIRECTLY OR INDIRECTLY, FOR ANY REASON OTHER THAN THAT WHICH IT IS INTENDED, OR IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

CLIENT NAME & ADDRESS:

ROSE ROCK

DESCRIPTION:

CATHODIC PROTECTION LAYOUT
DEEP GROUND BED INSTALLATION
MP 0 - HANSTON STATION

KS HANSTON HODGEMAN

JOB NO.: 10-18-0581 SCALE: DO NOT SCALE SHEET: 1 OF 1

DRAWN BY: BB/DR DRAWN DATE: 2/13/19 CHK'D BY: RG CHK'D DATE: 2/13/19

DWG NO.: ROS-07152 REV: 0

REV	DESCRIPTION	DATE	BY	CHK
	REVISION			