

11/8 #213 30-045-20704
#258 30-045-21409

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 SE Sec. 36 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #258, #213
cps 1742w

Elevation 6485' Completion Date 11/5/84 Total Depth 400' 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. 80', 100', 200' - 240'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3970 lbs.

Depths anodes placed: 375', 365', 355', 340', 310', 300', 290', 280', 270', 260'

Depths vent pipes placed: 400'

Vent pipe perforations: 340'

Remarks: gb #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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☒Completion Date 11-5-84

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1742-W	Huerfano # 258	55607-21-50-20	R/C = 80' 600' W	☒ Good ☐ Bad
	Huerfano # 213	54864-19-50-20	R/C = 79' 600' N	
Location	Anode Size	Anode Type	Size Bit	
SE36-27-10	2" X 60"	Duricon	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
400	397		3,970 lbs	
Anode Depth				
# 1 375	# 2 365	# 3 355	# 4 340	# 5 310
# 6 300	# 7 290	# 8 280	# 9 270	# 10 260
Anode Output (Amps)				
# 1 3.75	# 2 4.18	# 3 3.92	# 4 4.24	# 5 3.50
# 6 4.85	# 7 4.50	# 8 3.85	# 9 4.22	# 10 3.72
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 16.6	Ohms .72		

Remarks: Drilled to 80' found wet spots. started Injection at 100' with more wet zones. Hit shale at 170' to 200'. Found more water sand at 230'; drilled into sh. at 280'. found shale to bottom of hole. Installed 400 of 1" p.v.c. vent pipe, 340' with perforations. Slurried approx. 3,970 lbs Coke down hole.

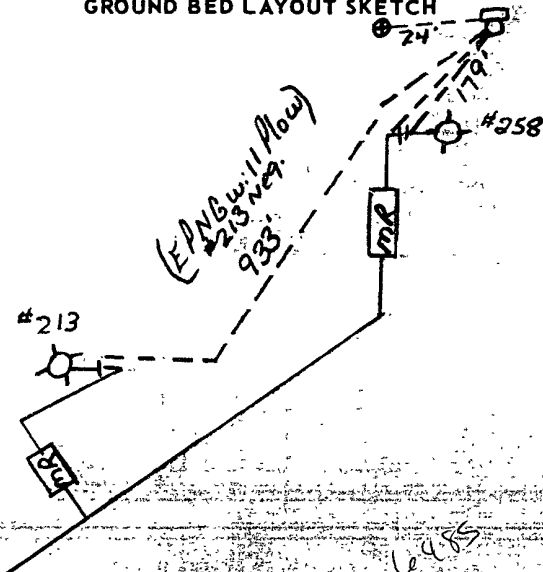
Rectifier Size: 60 V 30 A
 Addn'l Depth _____
 Depth Credit: 103'
 Extra Cable: 199'
 Ditch & 1 Cable: 203'
 25' Meter Pole: _____
 20' Meter Pole: 1
 10' Stub Pole: _____

Req. time = 8 hrs ✓
 Overtime = 2 hrs ✓

All Construction Completed

C.W. Donohue
 (Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 1742-W WELL NAME: Huerfano #258 + 213 LOCATION: SE 36-27-10 DATE: 11-5-84

TOTAL VOLTS: 12.1 TOTAL AMPS: 116.6 OHMS RESISTANCE: .72

Readings Thru 1700' wire 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	1.70		365	1.79	2	545			1	375	1.96	3.75
10			190	1.38		370	1.68		550			2	365	2.11	4.18
15			195	1.00		375	1.57	1	555			3	355	2.17	3.92
20			200	.74		380	1.38		560			4	340	2.21	4.24
25			205	.72		385	1.23		565			5	310	2.19	3.50
30			210	.65		390	1.84		570			6	300	2.27	4.85
35			215	.68		395	3.97		575			7	290	2.15	4.50
40			220	.79		400	Drilled		580			8	280	2.23	3.85
45			225	.84		405			585			9	270	2.01	4.22
50			230	.78		410			590			10	260	2.02	3.72
55			235	.81		415			595						
60			240	.91		420			600						
65			245	1.05		425			605						
70			250	.97		430			610						
75			255	1.29		435			615						
80			260	1.70	10	440			620						
85			265	1.67		445			625						
90			270	1.80	9	450			630						
95	1.81		275	1.80		455			635						
100	1.51		280	1.74	8	460			640						
105	1.42		285	1.77		465			645						
110	1.24		290	1.76	7	470			650						
115	1.39		295	1.88		475			655						
120	1.25		300	1.87	6	480			660						
125	1.09		305	1.90		485			665						
130	1.31		310	1.87	5	490			670						
135	1.57		315	1.71		495			675						
140	1.50		320	1.30		500			680						
145	1.37		325	.94		505			685						
150	1.30		330	.73		510			690						
155	1.29		335	1.66		515			695						
160	1.64		340	1.81	4	520			700						
165	1.08		345	1.91		525			705						
170	.92		350	1.82		530			710						
175	1.01		355	1.77	3	535			715						
180	1.50		360	1.74		540			720						

REMARKS: Drilled to 80' found wet spots. Started Injection at 100' with more wet zones. Hit shale at 170 to 200. Found more wet sand at 230. Drilled into shale at 280. Found shale to bottom of Hole. Installed 400' of 1" P.V.C. vent pipe. 340' with perforations. Slurried approx. 3970 lbs Coke Down Hole.

DAILY DRILLING REPORT

LEASE **HILVERFANO** WELL NO. **258** CONTRACTOR **CORR. CONTROL** RIG NO. **102** REPORT NO. DATE **Nov. 5 1984**

MORNING

DAYLIGHT

EVENING

Driller. **TERENCE LARGENT** Total Men In Crew 3

Driller	Total Men In Crew
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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	60	SANDSTONE			160	200	SANDSTONE							
60	100	SAND & SANDSTONE			200	240	SAND (WATER)							
100	120	SAND (WATER)			240	260	BENTONITE							
120	160	BENTONITE			260	400	SHALE AND SAND STRMS.							

	NO. DC	SIZE	LENG.		NO. DC	SIZE	LENG.		NO. DC	SIZE	LENG.
BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.
S. 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		

[illegible][illegible]

REMARKS -

REMARKS - SAND AT 110 FEET WET
ENOUGH TO STOP ME FROM
DRILLING. WENT TO INJECTION
DRILLER INTO MORE WATER
SAND AT 200 TO 240 FEET.
DRILLED TO 400 FEET.

REMARKS -

SIGNED: Toolpusher

SIGNED: Toolpusher Terence Largent

____ Company Supervisor

Company Supervisor C. J. Donohue