

997

#66 30-039-07145

E

#158 30-039-20390

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. 1 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #66, #158

cps 1292w

Elevation 6663' Completion Date 9/21/78 Total Depth 640' 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. DAMP AT 220', 380' WATER AT 500'

Depths gas encountered: N/A

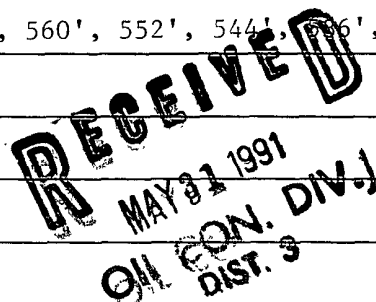
Type & amount of coke breeze used: 80 SACKS

Depths anodes placed: 610', 602', 595', 586', 560', 552', 544', 536', 528', 520'

Depths vent pipes placed: 640'

Vent pipe perforations: 320'

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 9-21-78

Well Name S. J. 28-6 #66		Location NE12-27-6		CPS No. 1292W	
Type & Size Bit Used 6 3/4" CONTRACT #2				Work Order No. #66=53218-19 #158=54896-19	
Anode Hole Depth 640-635	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 610	#2 602	#3 594	#4 586	#5 560	#6 552
#7 544	#8 536	#9 528	#10 520		
Anode Output (Amps)					
#1 3.1	#2 3.1	#3 2.7	#4 1.8	#5 1.9	#6 3.7
#7 3.5	#8 2.4	#9 1.7	#10 1.3		
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 10.3		Ohms 1.2	

Remarks: ~~Static~~ **Static #66 600' NW = 0.76** **Static #158 600' N = 0.77**

DRILLER SAID DAMP @ 220'. DRILLED TO 280'. NEXT AM. NO WATER. DAM @ 380' WAITED 25 MIN. NO WATER. STARTED MAKING WATER @ 500'. (15-20 GALL PER FORATED 320' OF 1" PVC VENT PIPE. INSTALLED 640' OF 1" PVC VENT P. SLURRIED 80 SACKS OF COKE. ANODES SPACED 8' APART.

60V 30A RECTIFIER

1 1/2" X 60" DORIRON

20' MOTOR POLE.

HOLE DEPTH = +135'

DITCH & 1 CABLE = 861'

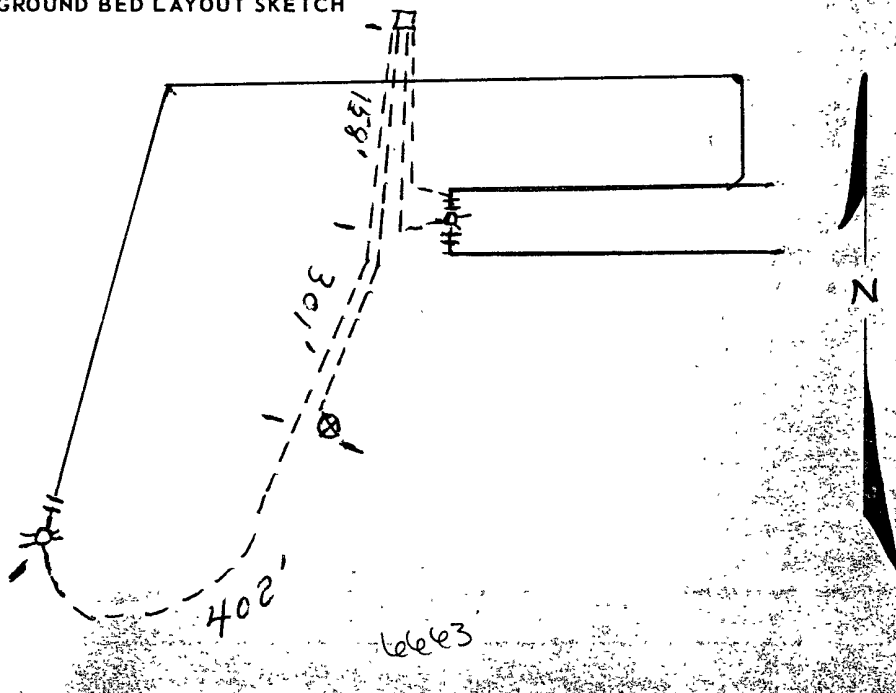
EXTRA CABLE = 775'

All Construction Completed

W Z Louth

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

S.J. 28-6 #66

S.J. 28-6 #158

NE 12-27-6

1292W

53218-19

54896-19

CONTRACT #2

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

560 ⑤
8
552 ②
8
544 ⑦
8
536 ⑧
8
528 ⑨

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

610 ①
8
602 ②
8
594 ③
8
586 ④

STATIC #66 600' NW = 0.76
STATIC #158 600' N = 0.77

DRILLER SAID DAMP @ 220', 380'. WAITED 25 MIN
@ 380' NO WATER, DAMP.

DRILLED TO 280' NEXT A.M. NO WATER. DAMP.

DRILLER SAID MAKING WATER @ 500'. DRILLED TO
580' NEXT A.M. WATER STANDING @ 420'

Installed 640' of 1" PVC vent Pipe

PERFORATED 320' of 1" PVC vent Pipe

SLURRED 80 SACKS OF COKE

4.00 1.4 90 1.0
1.3 1.4
10 1.5 600 1.4
1.6
20 1.6 10 1.5 ①
1.6
30 1.5 20 1.4
1.5 1.4
40 1.4 30 1.0
1.4 T.D.

Probes spaced 8' APART

50 1.6
1.9
60 1.8
1.5
70 1.8
1.5
80 .8
.6
90 .4
.4
500 .4
1 .5
10 .5
.6
20 .7
1.1
30 1.6
1.7
40 1.7
1.4
50 1.1
1.1
60 1.0
1.6
70 .5
1.5
80 .5
.5

60V 30A Rectifier

20' Meter Pole

Hole Depth = +135'

Ditch Cable = 861'

EXTRA CABLE = 775'

① 610 1.7 3.1
② 602 1.8 3.1
③ 594 1.7 2.7
④ 586 .9 1.8
⑤ 560 1.0 1.9
⑥ 552 2.0 3.7
⑦ 544 2.0 3.5
⑧ 536 1.1 2.4
⑨ 528 .7 1.7
⑩ 520 .6 1.3

VOLTS = 12.1

AMPS = 10.3

ohms = 1.2

