

#20 30-039-07340

E

478 #58 30-039-07286

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

Operator MERIDIAN OIL Location: Unit SW Sec. 30 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #20, #58

cps 1137w

Elevation 6537' Completion Date 8/30/77 Total Depth 340' 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. 75' - 95'

Depths gas encountered: N/A

Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 300', 285', 275', 265', 245', 235', 225', 180', 170', 160'

Depths vent pipes placed: 300'

Vent pipe perforations: 200'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8-30-77

Well Name SAN JUAN 28-5 UNIT #20 #58		Location SW 30-28-5		CPS No. 1137 W	
Type & Size Bit Used 6 3/4"		Work Order No. #20 53266.19 #58 54286.19			
Anode Hole Depth 340 - 325	Total Drilling Rig Time	Total Lbs. Coke Used 38	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 300	#2 285	#3 275	#4 265	#5 245	#6 235
#7 225	#8 180	#9 170	#10 160		
Anode Output (Amps)					
#1 2.8	#2 3.3	#3 3.4	#4 3.3	#5 2.9	#6 3.3
#7 3.2	#8 3.3	#9 4.4	#10 3.2		
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 11.3	Amps 11.7	Ohms 0.97			

Remarks: Static #20 600'W = 0.80, Static #58 600'N = 0.78.

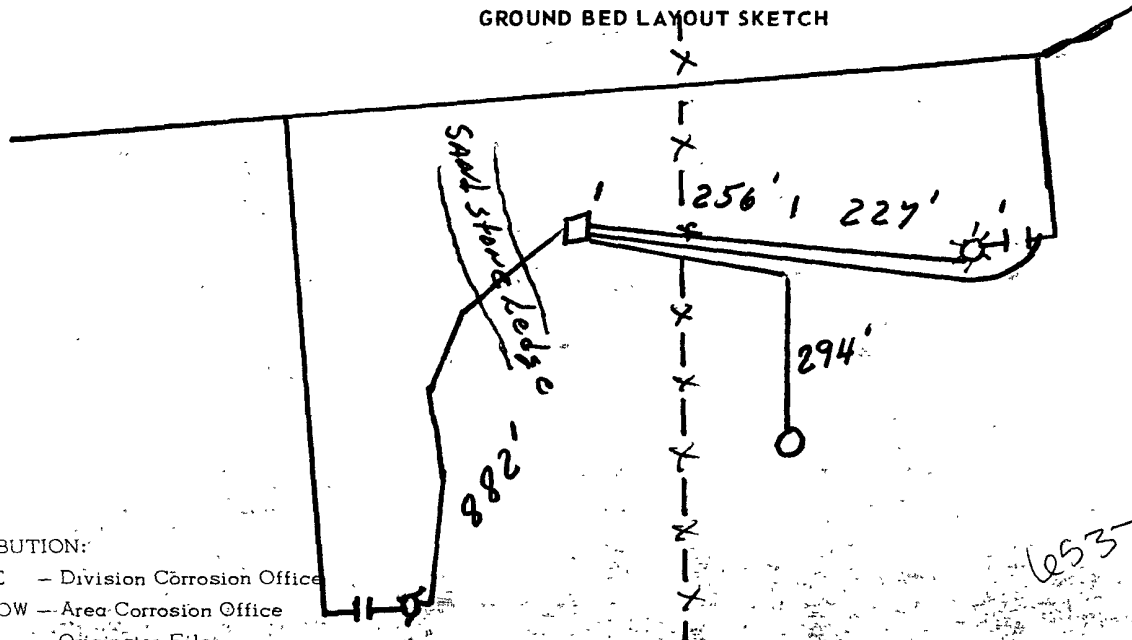
DRILLER SAID MAKING WATER BETWEEN 45' & 95'. DRILLED TO 110'. WAITED 30 MINUTES & BLEW WATER. PERFORATED 220' OF 1" PVC VENT PIPE. INSTALLED 300' OF 1" PVC VENT PIPE. SLURRIED 38 SACKS OF COKE. INSTALLED 200' OF 3/4" RIGID CONDUIT ACROSS SANDSTONE BEDS. #20 MARKED 1 NOTCH. #58 MARKED 3 NOTCHES.

INSTALLED 60V 30A RECTIFIER
20' METER LOOP POLE.

All Construction Completed

W. J. Louto
(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: _____

SAN JUAN 28-5 Unit #20

SAN JUAN 28-5 Unit #58

SW 30-28-5

1137W

53266.19

54286.19

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

S.J. 28-5 #20 600' W = 0.87

S.J. 28-5 #58 600' W = 0.78

60 V 30 A Rectifier
20' meter pole.

DRILLER SAID MAKING WATER BETWEEN
75' 59 5". STARTED INJ. @ 100'
PERFORATED 220' OF 1" PVC VENT PIPE
INSTALLED 300' OF 1" PVC VENT PIPE
SLURRYED 38 SACKS OF COKE

100 2.3	10 .6
2.3	.7
10 2.8	20 1.1
2.1	1.9 (7)
20 3.0	30 2.1

3.0	2.2 (6)
30 2.4	40 2.1
1.5	2.0 (5)
40 1.5	50 1.4
1.0	1.3

50 1.8	60 1.4
1.8	1.7 (4)
60 2.1 (10)	70 2.2
2.4	1.8 (3)
70 2.8 (9)	80 1.8

2.8	1.6 (2)
80 2.2 (8)	90 1.4
1.6	1.4
90 1.0	300 1.3 (1)
.7	1.2

200 .6	10 1.9
.6	1.7
.	20 1.8
	1.8 T.D.
	30

① 300	1.6	2.8
② 285	1.9	3.3
③ 275	1.8	3.4
④ 265	2.2	3.3
⑤ 245	2.0	2.9
⑥ 235	2.2	3.3
⑦ 225	2.0	3.2
⑧ 180	1.9	3.3
⑨ 170	2.7	4.4
⑩ 160	2.0	3.2

11.3 Volts
11.7 AMPS
0.97 OHMS

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE		WELL NO. 1137W		CONTRACTOR Possey Drilling		RIG NO.		REPORT NO.		DATE 8-30		19 77					
MORNING					DAYLIGHT					EVENING							
Driller _____ Total Men In Crew _____					Driller Albert L Possey 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	5	surface			55	75	shale			175	235	shale					
5	15	clay			75	99	sand wet (W)			235	250	sandy shale					
15	30	shale			99	145	shale			250	265	shale					
30	55	sandstone			145	175	sandy shale			265	275	sandy shale					
BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____		BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____		BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____		BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____			
SER. NO. _____		STANDS _____		SER. NO. _____		STANDS _____		SER. NO. _____		STANDS _____		SER. NO. _____		STANDS _____			
SIZE _____		SINGLES _____		SIZE 6 3/4		SINGLES _____		SIZE _____		SINGLES _____		SIZE _____		SINGLES _____			
TYPE _____		DOWN ON KELLY _____		TYPE Rock		DOWN ON KELLY _____		TYPE _____		DOWN ON KELLY _____		TYPE _____		DOWN ON KELLY _____			
MAKE _____		TOTAL DEPTH _____		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			
275	340	shale															
320	340	sandy shale															
REMARKS -						REMARKS -						REMARKS -					
						Drilled 340 logged 325 Total feet 332 Making Water 75 + 99 ft. Injected ~ 100 ft											

SIGNED: Toolpusher _____

Company Supervisor _____