

1277

#59M 30-039-22224

#149 30-039-20602

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. 6 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #59M, #149

cps 1595w

Elevation 6541' Completion Date 7/7/81 Total Depth 440' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 170' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 5000 lbs.Depths anodes placed: 380', 370', 360', 330', 320', 310', 300', 255', 245', 235'Depths vent pipes placed: 433'Vent pipe perforations: 280'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.

El Arriba
WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 7/7/81

Well Name <u>SJ 27-5 #59M</u>		Location <u>SE 6-27-5</u>		CPS No. <u>1595 W</u>	
Type & Size Bit Used <u>6 3/4"</u>		Work Order No. <u>57962-21-50-20</u>		<u>55530-21-50-20</u>	
Anode Hole Depth <u>440' T.D. 433'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>5000 LB.</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>380'</u>	#2 <u>370'</u>	#3 <u>360'</u>	#4 <u>330'</u>	#5 <u>320'</u>	#6 <u>310'</u>
#7 <u>300'</u>	#8 <u>255'</u>	#9 <u>245'</u>	#10 <u>235'</u>		
Anode Output (Amps)					
#1 <u>4.0</u>	#2 <u>4.1</u>	#3 <u>3.4</u>	#4 <u>3.1</u>	#5 <u>3.9</u>	#6 <u>4.0</u>
#7 <u>4.2</u>	#8 <u>4.0</u>	#9 <u>3.8</u>	#10 <u>3.6</u>		
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 <u>12.2</u>	Amps <u>17.3</u>	Ohms <u>.7</u>			

Remarks: STATIC ON SJ 27-5 #59M 600 W = .96 V, STATIC ON SJ 27-5 #149
600 W = .81 V. Driller said water at 170'. Drilled 180'. Water standing
in hole next A.M. AT 170'. Took water sample. Estimated hole making
Approx. 1 gal/min. Drilled to 440' logged 433'. Installed 433' of 1" P.V.C.
vent pipe, Perforated 280'.

- 1 60V 30A RECT.
- 1 25' meter loop pole
- Hole Depth - 67'

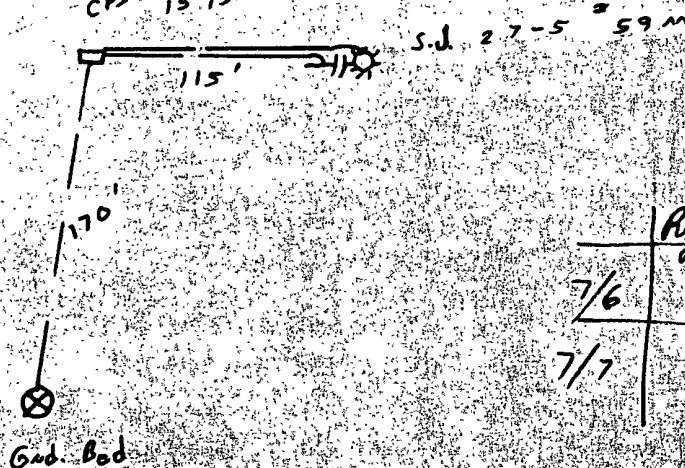
All Construction Completed

E.P.N.G. WILL INSTALL ALL CABLE ON LOCATION

GROUND BED LAYOUT SKETCH

CPS #1595 W

SAN JUAN 27-5 #149



	Rig. Time	O.T.
7/6	8	2
7/7	8	4

DISTRIBUTION:

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

S.J. 27-5 #59M

CPS - 1595 W

N.O. 57962-21-50-20

S.J. 27-5 #149

SE 6-27-5

55530-21-50-20

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

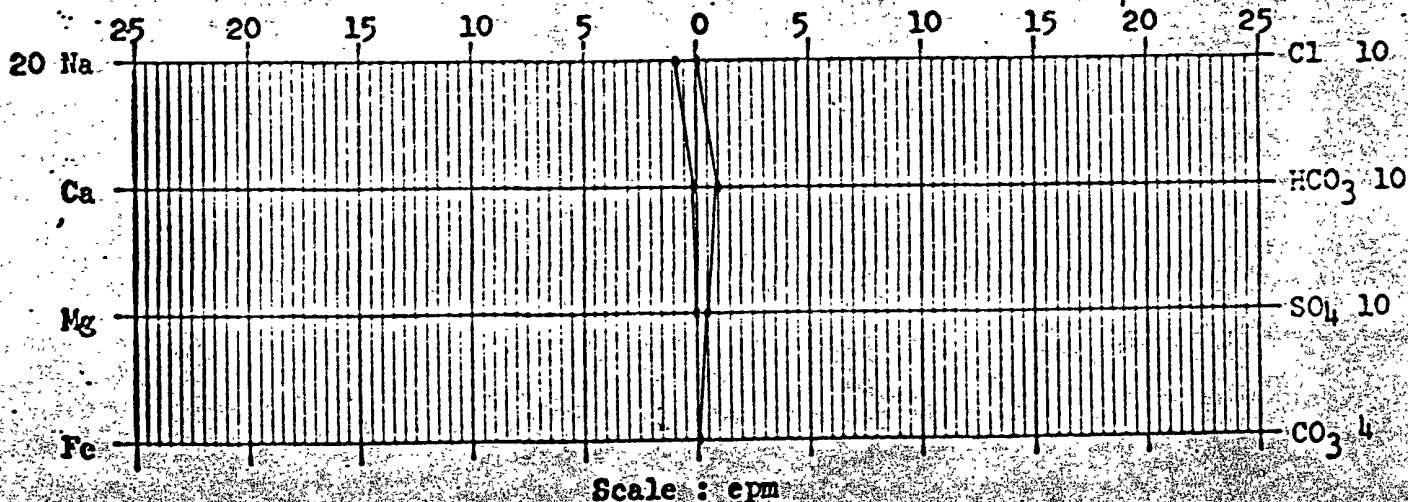
170 -	310 - 1.1 - ⑥	Driller said WATER AT 170'
	1.0	Drilled To 180' WATER STANDING
80 -	20 - 1.1 - ⑤	IN Hole next A.M. AT 170'
	1.0	Took WATER SAMPLE, ESTIMATED
90 -	30 - 1.0 - ④	Hole MAKING APPROX. 19 GAL/MIN
	1.0	Drilled 440' Logged 433'
200 -	40 - .9	INSTALLED 433' of 1" P.V.C.
	1.0	vent pipe. Perforated 280'
10 - .3	50 - .9	
.6	1.0	
20 - .8	60 - 1.0 - ③	
1.1	1.0	
30 - 1.0	70 - 1.1 - ②	
1.2 - ⑩	1.2	
40 - 1.2	80 - 1.1 - ①	
1.1 - ⑨	1.0	
50 - 1.1	90 - .8	
1.1 - ⑧	.7	
60 - 1.0	400 - .6	
1.0	.4	
70 - .7	10 - .3	
.5	.4	
80 - .4	20 - .4	
.4	.3	
90 - .5	30 - .3	
1.2	433 T.D.	
300 - 1.2 - ⑦	40 - Drilled To	
1.2		
		1 - 380 - 2.0 - 4.0
		2 - 370 - 2.08 - 4.1
		3 - 360 - 1.5 - 3.4
		4 - 330 - 1.6 - 3.1
		5 - 320 - 2.04 - 3.9
		6 - 310 - 1.98 - 4.0
		7 - 300 - 2.39 - 4.2
		8 - 255 - 2.15 - 4.0
		9 - 245 - 2.2 - 3.8
		10 - 235 - 2.1 - 3.6

12.2V 17.3A = .7
7/7/81
js

PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10241 Date 7-15-81
Operator EPNG Well Name SJ 27-5 #59M 170 ft. CPS 1595 W
Location SE 6-27-5 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From _____
Date Sampled 7-7-81 By J. E. STOTTS
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 354 ppm 15.4 epm Chloride 2 ppm .1 epm
Calcium 2 ppm .1 epm Bicarbonate 620 ppm 10.2 epm
Magnesium .5 ppm .04 epm Sulfate 250 ppm 5.2 epm
Iron _____ Carbonate 2 ppm .07 epm
H₂S Absent Hydroxide 0 ppm 0 epm
cc: R. A. Ullrich Total Solids Dissolved 984
E. R. Paulek pH 9.0
J. W. McCarthy Sp. Gr. 1.0422 At 60°F
J. D. Evans Resistivity 709 ohm-cm at 81 °F
W. B. Shropshire
D. C. Adams
File
Hole making approx. 1 gal/min.

Debbie Dimetclaw RZE
Chemist



DAILY DRILLING REPORT

RIG NO. 7

REPORT NO. DA

DATE: 0

1991

[illegible]

SIGNED: Toolpusher

Company Supervisor