

1048
113- 30-039-20201
199- 30-039-23052

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. 10 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #113, #199

cps 1716w

Elevation 7337' Completion Date 9/16/83 Total Depth 620' 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. WET SAND 410' - 430'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6100 lbs.

Depths anodes placed: 575', 565', 555', 545', 535', 525', 500', 490', 465', 455', 260'

Depths vent pipes placed: 605'

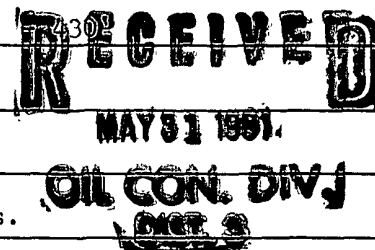
Vent pipe perforations: 300'

Remarks: gb #1. FIRST HOLE 300', FINE, LOOSE SAND. COULD NOT CLEAN HOLE-ABANDONED

SECOND HOLE 500', SAME PROBLEM-ABANDONED.

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 9/16/83

CPS #	Well Name, Line or Plant		Work Order #		Static:		Ins Union Check		
1716 W	S.J. 27-5 #113		54692-19-50-20-64		600' N = 1.03 V		☒ Good ☐ Bad		
	S.J. 27-5 #199		59190-21-50-20-64		600' N = 1.04 V		NO FL. OR M.T.R.		
Location		Anode Size	Anode Type		Size Bit				
NE 10-27-5		2" X 60"	Dufion		6 3/4"				
Depth Drilled	Depth Logged	Drilling Rig Time		Total Lbs. Coke Used	Lost Circulation Mat'l Used		No. Sacks Mud Used		
620'	605'			Started 6100LB					
Anode Depth									
# 1 575'	# 2 565'	# 3 555'	# 4 545'	# 5 535'	# 6 525'	# 7 500'	# 8 490'	# 9 465'	# 10 455'
Anode Output (Amps)									
# 1 4.1	# 2 3.92	# 3 4.0	# 4 4.28	# 5 4.23	# 6 4.53	# 7 3.33	# 8 3.77	# 9 4.75	# 10 3.4
Anode Depth									
# 11 260'	# 12 4.25	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)									
# 11 4.25	# 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 10.7 V	Amps 18.4 A	Ohms .58 Ω							

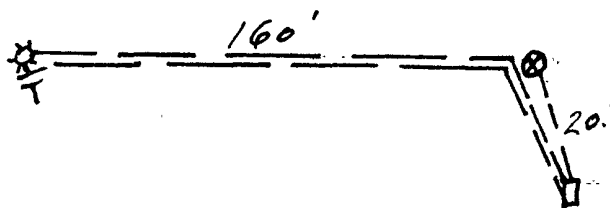
Remarks: Drilled into Loose, Fine, Sand AT 300', could NOT clean hole, Moved 300', started hole Drilled 500', driller was hung in hole, same problem, very fine loose sand. Moved across Location, drilled hole #3 To 620', logged 605'. Driller said wet sand Between 410' + 430', could not Blow water out of hole. Installed 605' of 1" PVC. vent pipe, perforated 300'. Coked 9 Anodes and Hole bridged Above #10. Tried To Free bridge with #10 Anode, #10 stuck in hole, and was then Reading 2.58A. Installed #11 Anode, After #11 Anode Took coke, COKE breeze went Around #10. Driller said NO Water in Hole #1 + #2.

Rectifier Size: 60 V 30 A
 Addn'l Depth: 105'
 Depth Credit: —
 Extra Cable: 230' + 270' For #11 Anode = 500' TOTAL
 Ditch & 1 Cable: 180'
 25' Meter Pole: 1
 20' Meter Pole: —
 10' Stub Pole: —

All Construction Completed

GROUND BED LAYOUT SKETCH

TIME	TOTAL	Reg.	O.T.
W.O. 54692 - 16	12	12	4
59190 - 17	12	12	5



1 extra Anode ✓

7337

EL PASO NATURAL GAS COMPANY

Form 7-354 (Rev. 11-77)

Sheet 1 of 1Date: 9/10/84By: JSCPS 1716 WS.J. 27-5 213W.O. 54692-19-50-20-64

NE 10-27-5

S.J. 27-5 199W.O. 59190-21-50-20-64

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

400 - 1.18	580 - 2.57	Drilled 300', was drilling in
1.21	2.57	sand, hole was caving
10 - 1.36	90 - 2.52	Moved 300', drilled to hole
1.46	2.72	To 500', Driller was hanging in
20 - 1.37	600 - T.D. = 605'	hole. Moved 300' drilled hole
1.5		#3, to 620'. Logged 605'. Driller
30 - 1.68	620 -	said wet sand between 410
1.61		& 430, shut rig down for
40 - 1.65		15 min. could not blow water.
1.6		Installed 605' of 1 P.V.C.
50 - 2.24		VCNT pipe perforated
3.12 - ⑩		300'. Caked 9 anodes &
60 - 3.64	375' - 1.6	hole bridged above #10.
3.58 - ⑨	80' - 1.06	Tried to free bridge with
70 - 3.0	- .76	#10 anode. #10 stuck in
2.72	90' - 1.04	hole & read 2.58A. Installed
80 - 1.75	1.03	#11 anode. After #11 took
1.87		coke, coke went around
90 - 2.38 - ⑧		#10.
2.78		10.7 V. 18.4 A = .58 Ω
500 - 2.42 - ⑦		
2.11		
10 - 2.02		1 - 575' - 2.74 - 4.1
1.87		2 - 565' - 2.63 - 3.92
20 - 1.47		3 - 555' - 3.0 - 4.0
2.2 - ⑥		4 - 545' - 3.09 - 4.28
30 - 3.11		5 - 535' - 3.23 - 4.23
3.21 - ⑤		6 - 525' - 3.12 - 4.53
40 - 3.17		7 - 500' - 2.22 - 3.33
3.37 - ④		8 - 490' - 2.65 - 3.77
50 - 3.22		9 - 465' - 3.18 - 4.75
2.39 - ③		10 - 455' - 3.0 - 3.9
60 - 2.7		11 - 260' - 3.24 - 4.25
2.34 - ②		
70 - 2.16		
2.94 - ①		

REPORT NO. _____ DATE 9-15 1983

LEASE	3	DATE	7-13-83
WELL NO.	21	REPORT NO.	3
CONTRACTOR	SKOLYNE		

EVENING

[illegible][illegible][illegible][illegible]

REMARKS -

~~water from 410 to 430~~
~~wet sand 410' to 430~~

Isabel Sander

Company Supervisor

[Signature]