

1248

30-039-21873

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. 18 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #2A
cps 1499w

Elevation 6665' Completion Date 7/2/80 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. 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 37 SACKS

Depths anodes placed: 365', 350', 340', 330', 320', 275', 265', 125', 115', 105'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED
MAY 31 1991
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) ☐

2 X 60 Anodes

Completion Date 7-2-80

Well Name 55 28-6 #2A		Location SE 18-28-6		CPS No. 1499 W	
Type & Size Bit Used 6 3/4				Work Order No. 57546-21	
Anode Hole Depth 400'	Total Drilling Rig Time	Total Lbs. Coke Used 39 Sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 365	# 2 350	# 3 340	# 4 330	# 5 320	# 6 275
# 7 265	# 8 125	# 9 115	# 10 105		
Anode Output (Amps)					
# 1 3.0	# 2 3.7	# 3 3.7	# 4 3.9	# 5 3.3	# 6 3.0
# 7 3.4	# 8 2.3	# 9 3.7	# 10 3.9		
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 11.9	Amps 16.7	Ohms .7			

Remarks: DRILLER said hit WATER AT 100'. Got water sample. INSTALLED 400' of 1" VENT PIPE, PERFORATED 300' of VENT PIPE. SLURRIED 37 SACKS of COKE BREEZE. HOLE BRIDGED AT 150'. RAISED ANODE # 8, 9, 10 50' up the hole. STATIC 600' E = .96 INSULATED UNION - OK. APPROX 1 GAL of WATER PER MINUT

NI 1 20' meter Pole
1 ~~NO STUB~~ Pole 40V 16A Rect.
1 Jct. Box
Ditch + 1 cable - 174
EXTRA cable - 161'
NI Hole Depth - 100'

Time Req. O.T.
8 4

All Construction Completed

Nellis Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6665

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 7-2-80
By: WK
File: _____S.J. 28-6 #2A
SE 18-28-6
CPS 1499 W
W/O 57546-21Static 600' E = .96
Insulated UNION - OK

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

1 20' METER POLE
1 40V 16A RECT.
1 JCT BOX
DITCH + 1 cable
EXTRA cable
Hole Depth - 100'DRILLER Said hit water at 100'
Got water sample. Installed
400' of 1" VENT PIPE, Perforated
300' of VENT PIPE, Slurried
37 sack of COKE Breeze
Hole Bridged at 150' Raised
Anodes # 8, 9, 10, 50' up
The hole.

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

100	1.1	250	1.2
105	2.9 ⑩	255	1.1
110	2.9	260	1.2
115	2.6 ⑨	265	2.7 ⑦
120	2.2	270	2.8
125	1.5 ⑧	275	2.4 ⑥
130	1.2	280	1.9
135	1.4	285	1.8
140	1.3	290	1.5
145	1.5	295	1.4
150	1.8	300	1.3
155	3.0 ④	305	1.5
160	2.6	310	1.5
165	2.4 ③	315	2.1
170	1.8	320	2.3 ⑤
175	1.9	325	2.5
180	1.2	330	2.7 ④
185	1.9	335	2.5
190	1.7	340	2.4 ⑤
195	1.7	345	2.8
200	2.5 ③	350	2.7 ②
205	2.1	355	1.7
210	1.9	360	1.9
215	1.7	365	2.0 ①
220	1.0	370	1.9
225	1.4	375	1.3
230	1.7	380	1.1
235	1.6	385	1.9
240	1.5	390	1.9
245	1.2	395	1.8
		400	1.8

① 365	2.0	3.0
② 350	2.7	3.7
③ 340	2.3	3.7
④ 330	2.7	3.9
⑤ 320	2.2	3.3
⑥ 275	2.2	3.0
⑦ 265	2.7	3.4
⑧ 125	1.5	2.3
⑨ 115	2.4	3.7
⑩ 105	2.8	3.9

11.9 V 16.7A .7 Ω

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

Analysis No. 1-9964 Date 7-25-80
Operator El Paso Natural Gas Well Name SJ 28-6 #2A
Location SE 18-28-6 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From CPS #499 W 100 foot depth

Date Sampled 7-2-80 By WK

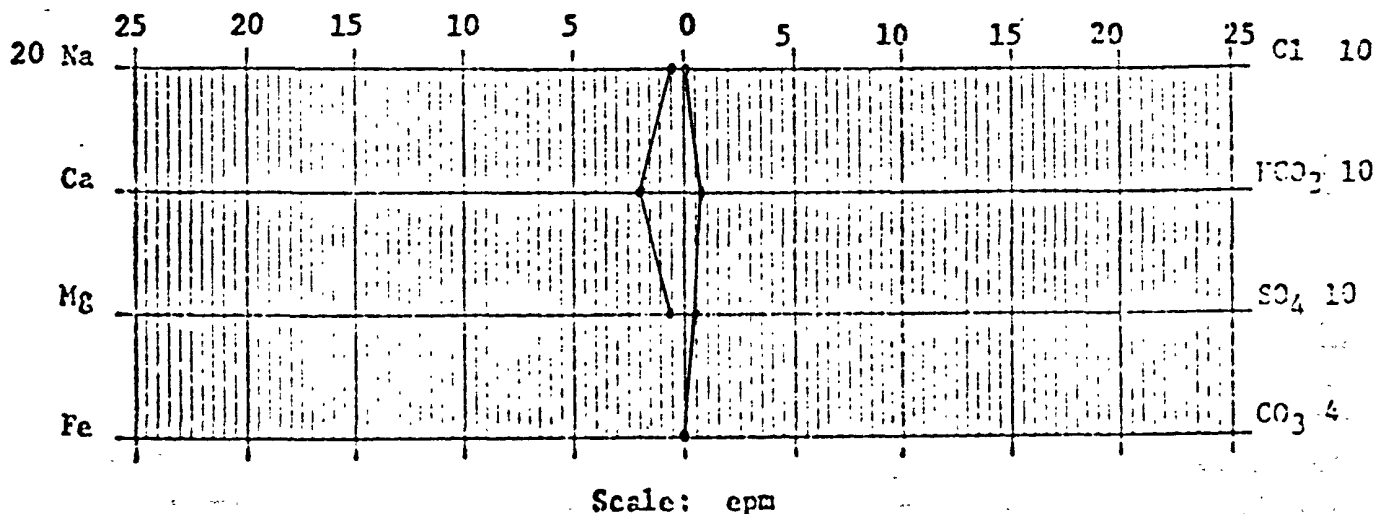
Tbg. Press. _____	Csg. _____	Surface Csg. Press. _____
Sodium <u>230</u> ppm	<u>10</u> epm	Chloride <u>14</u> ppm
Calcium <u>35</u>	<u>2</u>	Bicarbonate <u>412</u>
Magnesium <u>7</u>	<u>.6</u>	Sulfate <u>246</u>
Iron <u>No test</u>		Carbonate <u>0</u>
H ₂ S <u>Absent</u>		Hydroxide <u>0</u>
		<u>760</u>

cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

Total Solids Dissolved _____
pH 7.7
Sp. Gr. 1.0025 At _____ 60°F
Resistivity 909 ohm-cm at _____ 77°F

Dekora Denetalan
Chemist

RZE



San Juan 28-6 #2A		Three C Drilling		2		CPS 1499 W		DAILY DRILLING REPORT	
LEASE SE-18-28-6		WELL NO.		CONTRACTOR		RIG NO.		REPORT NO. 57546-2	
MORNING		DAYLIGHT		EVENING		DATE		July 2 1980	

[illegible]

	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. _____
STAND NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE 6 3/4	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][illegible]

SIGNED: Toolpusher

SIGNED: Toolpusher Kevin Bunge

____ Company Supervisor