

1390[#] 110M 30-039-2240/

E

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. 31 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #110M

cps 1623w

Elevation 6648' Completion Date 8/13/81 Total Depth 346' 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. 45' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4400 lbs.

Depths anodes placed: 320', 290', 280', 270', 260', 250', 240', 230', 200', 190'

Depths vent pipes placed: 345'

Vent pipe perforations: 325'

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 8-13-81

Well Name <u>San Juan 29-7 #110M</u>		Location <u>SE 31-29-7</u>		CPS No. <u>1623-W</u>	
Type & Size Bit Used <u>6 3/4" 2" X 60" Duriron anodes</u>		Work Order No. <u>#57944-21-50-20</u>			
Anode Hole Depth <u>Drilled & logged 346'</u>	Total Drilling Rig Time <u>approx 4,400</u>	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>320</u>	# 2 <u>310</u>	# 3 <u>280</u>	# 4 <u>270</u>	# 5 <u>260</u>	# 6 <u>250</u>
# 7 <u>240</u>	# 8 <u>230</u>	# 9 <u>200</u>	# 10 <u>190</u>		
Anode Output (Amps)					
# 1 <u>2.64</u>	# 2 <u>3.07</u>	# 3 <u>3.50</u>	# 4 <u>3.95</u>	# 5 <u>3.22</u>	# 6 <u>2.99</u>
# 7 <u>3.02</u>	# 8 <u>3.39</u>	# 9 <u>3.65</u>	# 10 <u>3.98</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>11.9</u>	Amps <u>16.1</u>	Ohms <u>.73</u>			

Remarks: Static C/s = .95 600' NE well not tied in to system ye.
Driller said water @ 45'. Blew water from hole next AM. obtained
water sample. Drilled to 346' logged 346'. Installed 345'
of 1" PVC vent pipe. 325' perforated. Slurried approx. 4,400 lb
of Bulk coke down hole

Hole Depth = 754' ✓
Extra Cable = none ✓
Ditch cable = none ✓
Stub pole ✓
40-16 Rect ✓

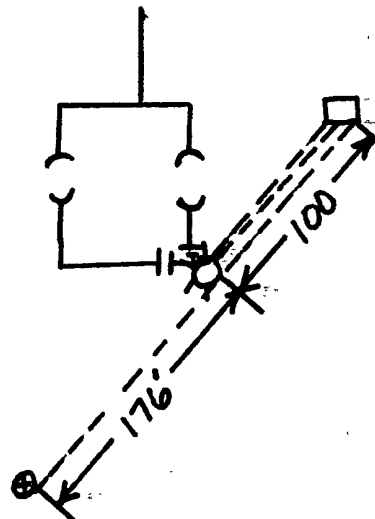
All Construction Completed

C. W. Donohue
(Signature)

GROUND BED LAYOUT SKETCH

E.P.N.G. will plow
all cables

8-13-81 Rep Time 0.7
8 2



DISTRIBUTION:

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

66648

w.o.# San Juan 29-7 #110 m (mv OK) SE 31-29-7
 57944-21-50-20
 Static C/S = -.95 600' NE

CPS 1623-W

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

STub Hole
 40-16

Hole Depth = -155'
 Extra Cable = none
 Ditch Cable = none
 STub pole
 40-16

EPNG will place
 all cables

Duller said water @ 45' Blew
 water from hole next morning
 on 2nd Day of Drilling. Drilling
 to 346' Logged 346. Installed
 345' of 1" PVC vent pipe.
 325' vent pipe perforated.

	1 0 0 .41	2 0 0 1.34 ⑨	3 0 0 .90		
	.41	.98	.72		
	1 0 .92	1 0 .67	1 0 .84		
	1.21	.83	1.07		
	2 0 .96	2 0 .92	2 0 1.09 ①		
	.98	1.00	.96		
	3 0 .63	3 0 1.25 ⑧	3 0 .80		
	.40	1.14	.67		
40	4 0 .36	4 0 1.22 ⑦	4 0 .82		
	.60	1.21	.99	346' logged	
50	5 0 .99	5 0 1.22 ⑥	5 0		
	1.02	1.16			
60	6 0 .99	6 0 1.21 ⑤	6 0	① 320 1.61	2.64
	.76	1.34		② 290 1.52	3.07
70	7 0 .72	7 0 1.39 ④	7 0	③ 280 1.92	3.50
	.71	1.33		④ 270 2.37	3.95
80	8 0 .68	8 0 1.20 ③	8 0	⑤ 260 1.95	3.22
	1.32	1.10		⑥ 250 1.96	2.99
90	9 0 1.46 ⑩	9 0 1.03 ②	9 0	⑦ 240 1.92	3.02
	1.44	1.08		⑧ 230 2.00	3.39
				⑨ 200 2.23	3.65
				⑩ 190 2.50	3.98

Volts = 11.9

amps = 16.1

ohms = .73

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

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

Analysis No. 1-10339 Date 8-25-81

Operator El Paso Natural Gas Well Name S.J. 29-7 #110 M - CPS 1623W

Location SE 31-29-7 County Rio Arriba State New Mexico

Field Blanco Formation

Sampled From 45'

Date Sampled 8-13-81 By Bill Donohue

Tbg. Press. Csg. Surface Csg. Press.

ppm epm Sodium <u>133</u> <u>6.0</u>	ppm epm Chloride <u>58</u> <u>1.6</u>
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Calcium <u>230</u> <u>11.5</u>	Bicarbonate <u>239</u> <u>3.9</u>
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Magnesium <u>51</u> <u>4.2</u>	Sulfate <u>766</u> <u>15.9</u>
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Iron <u>No test</u>	Carbonate <u>0</u> <u>0</u>
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H₂S <u>No test</u>	Hydroxide <u>0</u> <u>0</u>
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cc: R. A. Ullrich
E. R. Paulek
J: W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

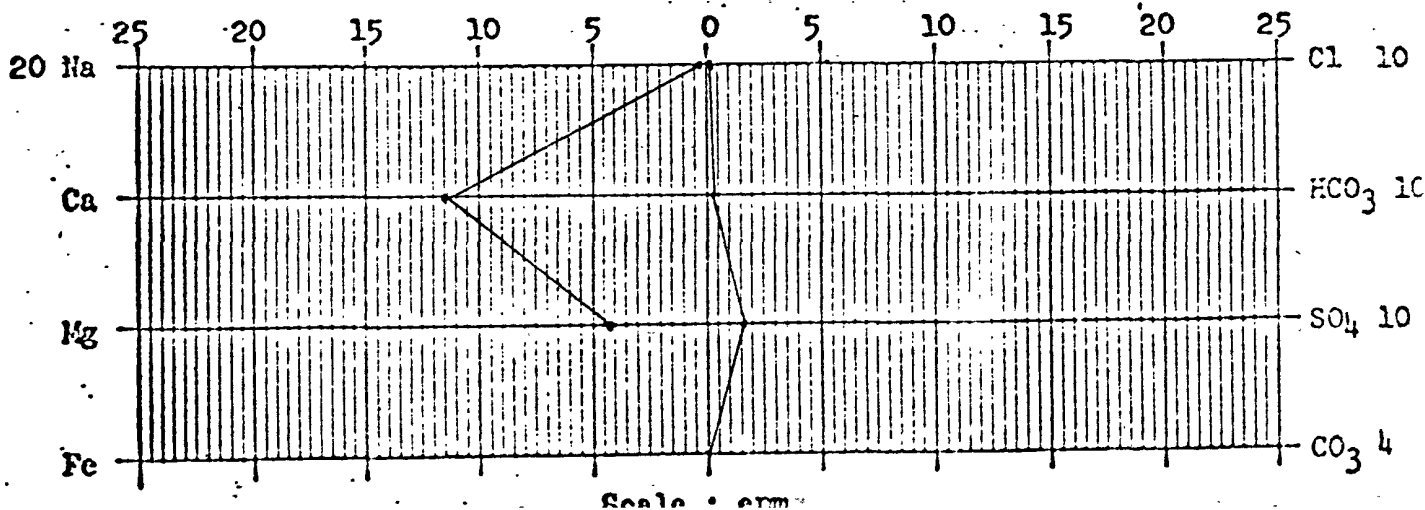
Total Solids Dissolved 1,476

pH 7.45

Sp. Gr. 0.9985 At 60°F

Resistivity 580 ohm-cm at 75°F

Dennis P. Bird - Joe P. Barnett
Chemist RZE



DAILY DRILLING REPORT

OPS 1623-W 5529-7 #110

LEASE

WELL NO.

CONTRACTOR

RIG NO. 1

REPORT NO.

DATE 8-13-81

MORNING

DAYLIGHT

EVENING

Driller				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	OB			135	185	55																
5	50	55			185	330	55																
50	65	55 w/55			330	345	55																
65	135	55 w/55																					
NO. DC				SIZE	NO. DC				SIZE	NO. DC				SIZE	LENG.								
BIT NO.				NO. DC				SIZE	NO. DC				SIZE	LENG.									
S				L NO.				STANDS				STANDS				STANDS							
SIZE				SINGLES				SINGLES				SINGLES				SINGLES							
TYPE				DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY							
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.			
FROM				TO				TIME BREAKDOWN				FROM				TO				TIME BREAKDOWN			
REMARKS -				REMARKS -				REMARKS -				REMARKS -				REMARKS -				REMARKS -			

SIGNED: Toolpusher

Company Supervisor

Bell D. Jones