

1403

F

30-039-22208

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

Operator TENNECO Location: Unit SE Sec. 10 Twp 28 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-7 UNIT #61A

cps 164lw

Elevation 6572' Completion Date 8/5/81 Total Depth 567' 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. 205' & 430' SAMPLE TAKEN

Depths gas encountered: N/A

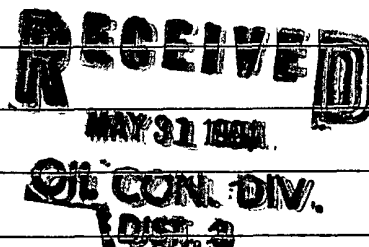
Type & amount of coke breeze used: 7400 lbs.

Depths anodes placed: 500', 465', 455', 430', 420', 410', 400', 390', 380', 370'

Depths vent pipes placed: 560'

Vent pipe perforations: 380'

Remarks: gb #1 NOT A MERIDIAN WELL.



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 8-05-81

Well Name <u>SJ 28-7#61A</u>		Location <u>SE 10-28-7</u>		CPS No. <u>1641-W</u>	
Type & Size Bit Used <u>6 3/4" 2" X 60" Duriron</u>				Work Order No. <u>57867-21-50-20</u>	
Anode Hole Depth <u>567 Logged 567</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>7400</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>500</u>	# 2 <u>465</u>	# 3 <u>455</u>	# 4 <u>430</u>	# 5 <u>420</u>	# 6 <u>410</u>
# 7 <u>400</u>	# 8 <u>390</u>	# 9 <u>380</u>	# 10 <u>370</u>		
Anode Output (Amps)					
# 1 <u>3.4</u>	# 2 <u>2.9</u>	# 3 <u>2.3</u>	# 4 <u>2.9</u>	# 5 <u>2.9</u>	# 6 <u>2.9</u>
# 7 <u>3.5</u>	# 8 <u>3.6</u>	# 9 <u>3.1</u>	# 10 <u>3.8</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>12.1</u>	Amps: <u>16.1</u>	Ohms: <u>.75</u>			

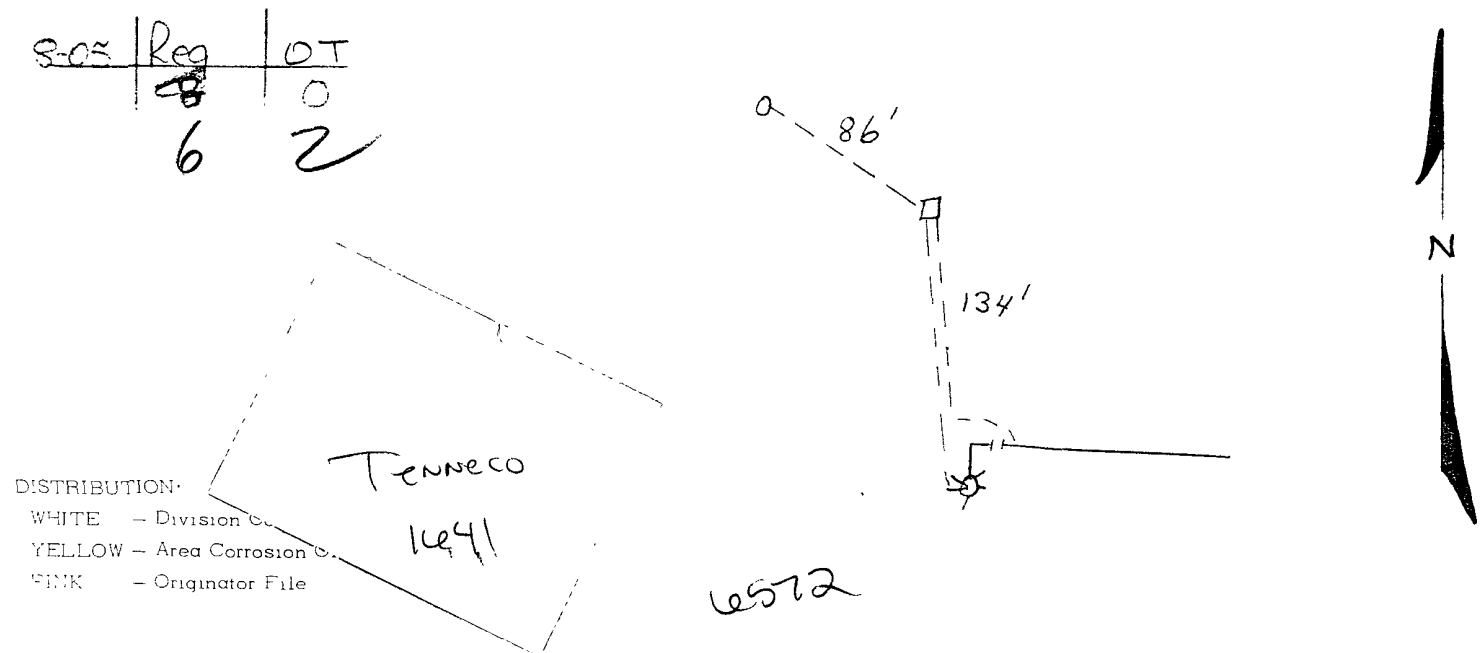
Remarks: Static $\epsilon/s = .81$ 600' NE 2 unions OK + 104
Driller said wet soil @ 205'. Drilled to 465 next AM. Blew water
out of Hole Est. 1/2 G.P.M. Caught water sample. Driller said more
water at 430'. Installed 560' of 7" PVC vent Pipe. Perforated
380' of 1" PVC Slurried 7,400 lbs Coke down hole

Hole Depth H = +67 ✓
 Extra Cable = 154' ✓
 Ditch + cable = 220' ✓
 Stub Pole ✓
 40-16 Rect ✓

All Construction Completed

CW Donohue
(Signature)

GROUND BED LAYOUT SKETCH



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

Analysis No. 1-10328

Date 8-25-81

Operator El Paso Natural Gas

Well Name S.J. 29-7 #61 A - CPS 1641 W

Location SE 34-29-7

County Rio Arriba

State New Mexico

Field Blanco

Formation _____

Sampled From @ 430'

Date Sampled 8-5-81

By Bill Donohue

Tbg. Press. _____

Csg. _____

Surface Csg. Press. _____

Sodium 576 ppm

25.1 epm

Chloride 44 ppm

1.2 epm

Calcium 332

16.6

Bicarbonate 132

2.2

Magnesium 34

2.8

Sulfate 1,975

41.1

Iron No test

Carbonate 0

0

H₂S No test

Hydroxide 0

0

cc: R. A. Ullrich

E. R. Paulek

J. W. McCarthy

J. D. Evans

W. B. Shropshire

D. C. Adams

File

Total Solids Dissolved 3,328

pH 7.6

Sp. Gr. 1.0215

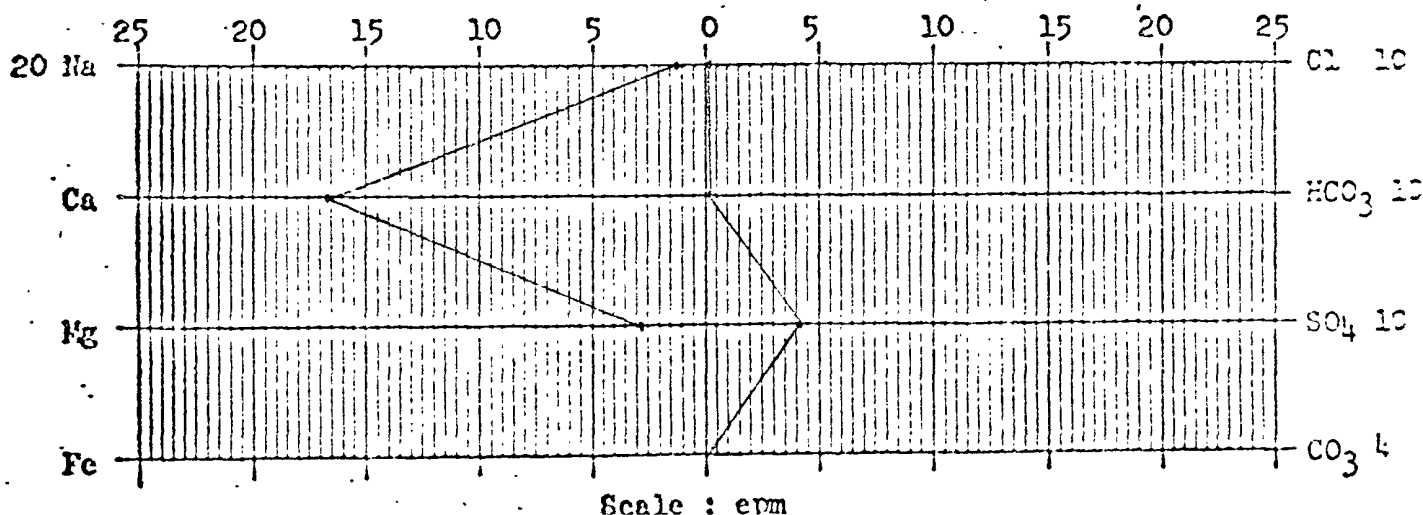
At 60°F

Resistivity 267

ohm-cm at 75°F

Dennis P. Bird - Joe P. Barnett

Chemist



Date: 8-05-81By:

San Juan 28-7 #61A (PC mv) CRS 1641-W
 SE 10-28-7
 # 57867-21-50-20 Stat. c %s = 0.81 600' NE 2 union = OK
 1.04 Amps up closing

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 17.48
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

SP
 40-16
 extricable
 Ditch cable

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

Hole Depth = +67

EXTRACABLE =

Ditch 1 cable

Stub P/C

NO V 16A Rect.

Driller said wet soil

@ 205' Drilled to 465

Next AM. Blew water out of

Hole. Est 1/2 GPM. Caught water sample

DRILLER SAID MORE WATER @ 430' 1/2 GPM. TOTAL 1 1/2

Installed 560' of 1" PVC vent P/C

Perc for 380' of 1" PVC vent P/C

Slacked

2 0.8 3 3.0 1.6 4.60 1.3

0 1.5 1.3 (2)

10 40 1.6 70 1.1

1.6 1.4

20 60 1.6 80 1.0

1.6 1.60

30 80 1.5 880 1.0

1.6 1.1

40 71 90 1.6 (10) 500 1.3 (1)

1.00 1.6 1.3

50 1.1 80 1.3 (9) 20 1.3

1.2 1.2 1.65

60 1.2 890 1.3 (8) 20 1.60

1.3 1.4 1.60

20 1.2 400 1.6 (7) 20 1.60

1.1 1.5 1.60

80 1.2 80 1.5 (6) 40 1.40

1.3 1.3 1.50

90 1.3 20 1.2 (5) 50 1.60

1.3 1.3 1.65

3 00 1.2 30 1.4 (4) 60 1.60

1.2 1.2

10 1.3 40 1.0

1.3 1.0

20 1.3 50 1.1

1.4 1.3 (3)

Gnd Bed taking water

① 500 2.1 3.4

② 465 2.0 2.9

③ 455 1.8 2.3

④ 430 1.5 2.9

⑤ 420 1.4 2.9

⑥ 410 1.9 2.9

⑦ 400 2.3 3.5

⑧ 390 2.1 3.6

⑨ 380 1.80 3.1

⑩ 370 2.3 3.8

67 + DS Drilled

Volts 12.1 Amps 16.1

ohms .75

DAILY DRILLING REPORT

WPS 1641 5 J 28-7 # 61A
LEASE CONTRACTOR DAYLIGHT RIG NO. 1 REPORT NO. DATE 6-5-81 19

MORNING						DAYLIGHT						EVENING					
Driller			Total Men In Crew			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.	
C	20	Q 18				425	435	55				575	567	55 1/2h			
20	205	55 1/2h				435	475	5h									
205	255	55				475	485	55									
255	425	5h				485	515	5h									
NO. DC			SIZE			NO. DC			SIZE			NO. DC			SIZE		
BIT NO.			LENG.			BIT NO.			LENG.			BIT NO.			LENG.		
S. L. NO.			STANDS			S. L. NO.			STANDS			S. L. NO.			STANDS		
SIZE			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		
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time			WT. Vls.			Time			WT. Vls.			Time			WT. Vls.		
FROM			TO			FROM			TO			FROM			TO		
TIME BREAKDOWN						TIME BREAKDOWN						TIME BREAKDOWN					
REMARKS -						REMARKS -						REMARKS -					
207 55 at 205 - 430																	
Lugfield 567																	
T.D. 56.7																	

SIGNED: Toolpusher *RL. Stanley* Company Supervisor