

1043

E

26 30-029-07093
114-30-029-20238DATA 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. 17 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #26, #114

cps 1708w

Elevation 6575' Completion Date 9/21/83 Total Depth 380' 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. 90', 140', 230' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4500 lbs.Depths anodes placed: 335', 320', 290', 280', 270', 260', 220', 210', 200', 190'Depths vent pipes placed: 380'Vent pipe perforations: 300'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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☒Completion Date 9-21-83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check:
1708 W	SAN JUAN 27-5 #26 SAN JUAN 27-5 #114	53213-19-50-20-64 54693-19-50-20-64	600' NE = .72 600' N = .78	☒ Good ☐ Bad
Location:	Anode Size	Anode Type:	Size Bit:	
Ne 17-27-5	2" x 60"	Duriron	6 3/4" MILL tooth (Rock)	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
380	380		4500	
Anode Depth				
# 1 335	# 2 320	# 3 290	# 4 280	# 5 270
# 6 260	# 7 220	# 8 210	# 9 200	# 10 190
Anode Output (Amps)				
# 1 3.34	# 2 3.54	# 3 2.91	# 4 4.48	# 5 3.97
# 6 3.44	# 7 3.40	# 8 5.00	# 9 3.80	# 10 4.08
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 11.7	Amps 14.3	Ohms .82		

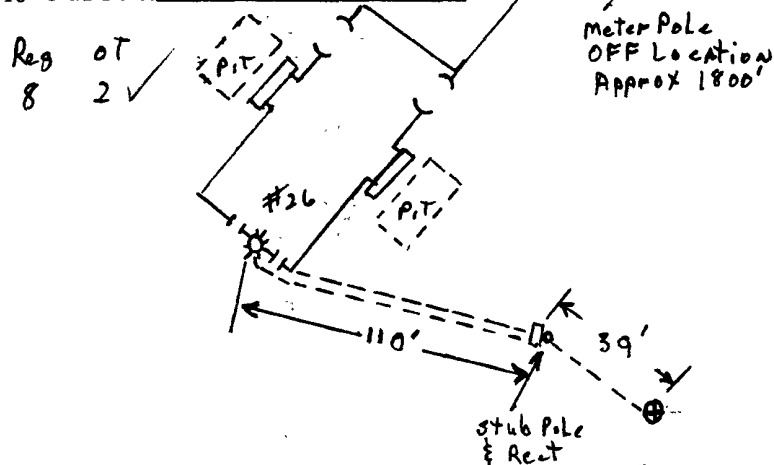
Remarks: Driller said wet at 90' Drilled to 240' waited 30 min & caught water sample (water zones at 90', 140' & 230') water at 85' next a.m. Drilled to 380' Logged 380' INST 380' OF vent pipe with 300 Ft OF perforations. Slurried approx 45 sacks of coke.

Rectifier Size: 60 V 30 A ✓
 Addn'l Depth: ✓
 Depth Credit: -120 ✓
 Extra Cable: 140 ✓
 Ditch & 1 Cable: 149 ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: ✓
 10' Stub Pole: 1 ✓

All Construction Completed

Robert J. Balnick
 (Signature)

GROUND BED LAYOUT SKETCH



6575

ENGINEERING CALCULATION SHEET

Form 7-371 (11-77)

1708W ne 17-27-5

10/15

Page 1

Date

9-21-83

By

RJB

S. J. 27-5 #26 - 53213-19-50-20-64 - STG 600' NE = .72 680MA + u = OK
 S. J. 27-5 #114 - 54693-19-50-20-64 - STG 600' N = .78 790MA + u = OK

26	90		220	1.53 - 7	350	.33
25				1.10 - A		.30
24	100		30	.84	360	.30
23				.51		.27
22	10		40	.33	370	.27
21				.56		.30
20	20		50	.52	380	✓
19				.88		
18	30		60	1.63 - 6		
17				1.74		
16	40		70	1.61 - 5		
15				1.90		
14	50		80	1.80 - 4		
13				1.57		
12	60		90	1.28 - 3		
11				.73		
10	70	.51	300	.93		
9		1.52		.51		
8	80	1.52	10	.32		
7		2.32		.30		
6	90	2.02 - 10	20	1.42		
5		1.84	30	1.74 - 2		
4	200	1.65 - 9	30	1.99		
3		2.33 ✗		1.71 - 1		
2	10	2.49 - 8	40	.96		
1		1.71 ✗		.53		

Driller said wet at 90' Drilled
 240' waited 30 min + caught
 water sample. Drilled to 380'
 water at 85' Next am Drilled
 to 380' Logged 380' inst 380' of
 vent pipe with 300' perforation
 slurried approx - 95 bags coke

- ① 335 - 1.52 - 3.34
- ② 320 - 1.55 - 3.54
- ③ 290 - 1.32 - 2.91
- ④ 280 - 1.95 - 4.48
- ⑤ 270 - 1.67 - 3.97
- ⑥ 260 - 1.70 - 3.44
- ⑦ 220 - 1.55 - 3.40
- ⑧ 210 - 2.60 - 5.00
- ⑨ 200 - 1.58 - 3.80
- ⑩ 190 - 2.09 - 4.08

117 V 14.3 A = .82 ohms

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

Analysis No. 1-10872 Date October 12, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #26 CPS 1708W

Location NE 17-27-5 County Rio Arriba State New Mexico

Field Blanco Formation

Sampled From 90 feet

Date Sampled September 21, 1983 By Robert Babnick

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	<u>216</u>	<u>9.4</u>	Chloride	<u>20</u>	<u>0.6</u>

Calcium	<u>0</u>	<u>0</u>	Bicarbonate	<u>293</u>	<u>4.8</u>
---------	----------	----------	-------------	------------	------------

Magnesium	<u>0</u>	<u>0</u>	Sulfate	<u>170</u>	<u>3.5</u>
-----------	----------	----------	---------	------------	------------

Iron	<u></u>	<u></u>	Carbonate	<u>14</u>	<u>0.5</u>
------	---------	---------	-----------	-----------	------------

H ₂ S	<u></u>	<u></u>	Hydroxide	<u>0</u>	<u>0</u>
------------------	---------	---------	-----------	----------	----------

cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File

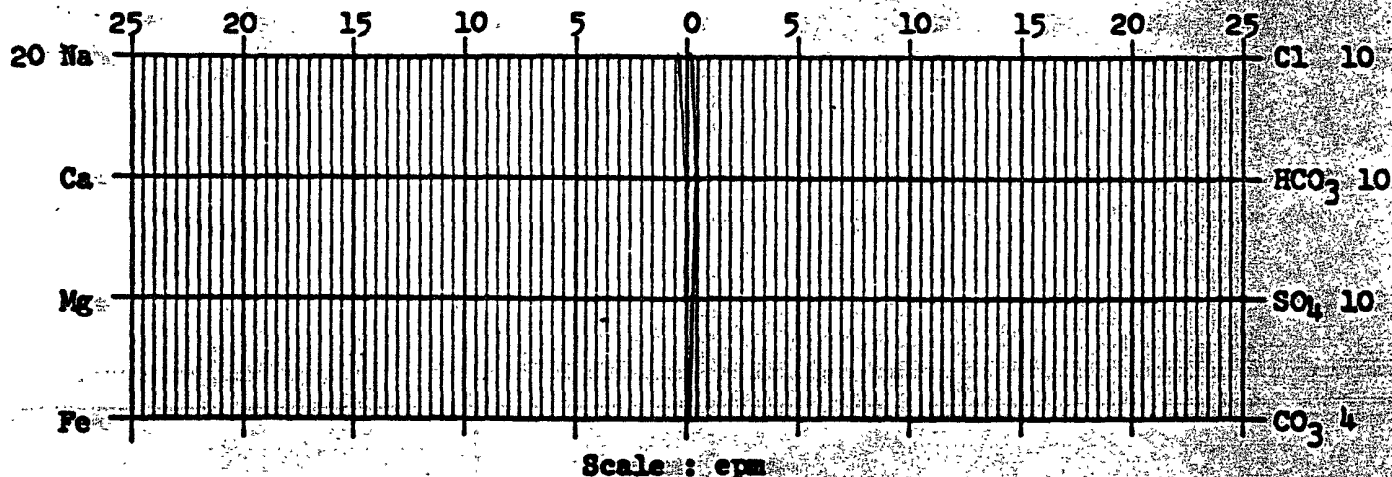
Total Solids Dissolved 600

pH 8.6

Sp. Gr. 0.9964 At 60°F

Resistivity 943 ohm-cm at 74°F

Dennis P. Bird GCK
 Chemist



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

S.J 27-5 # 26

CPS-1708W

LEASE _____ WELL NO. _____ CONTRACTOR S. H. RIG NO. 1 REPORT NO. _____ DATE 9-21 1983

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.
					0	40	sandy clay							
					40	380	shale + S.S. streaks							

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____	SERIAL 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.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS - <u>Water came to 95ft</u>	REMARKS -
	<u>of Top</u>	
	<u>Water 90ft</u>	
	<u>Water 140ft</u>	

SIGNED: Toolpusher

D. Alexander

Company Supervisor

Robert Bahrick