1255

E

30-039-21877

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

Operator MERIDIAN OIL Location: Unit NW Sec. 23 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #76A

cps 1510w

Elevation 6489' Completion Date 7/14/80 Total Depth 273' 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. 90' - 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 250', 240', 230', 220', [illegible] 200', 160', 150', 140', 130'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

8 Hrs Rig
2 Hrs OT

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐ 2"x60 DURIRON Completion Date 7-14-80

Well Name	Location	CPS No.
SJ 28-6 #76A	NW 23-28-6	1510 W
Type & Size Bit Used: 6 3/4" STATIC = .87		Work Order No. 57557-21

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
273 TD				

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	250	240	230	220	210	200	160	150	140	130
Anode Output (Amps)	2.3	2.8	3.3	2.5	2.7	3.1	3.2	3.7	3.5	2.8

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

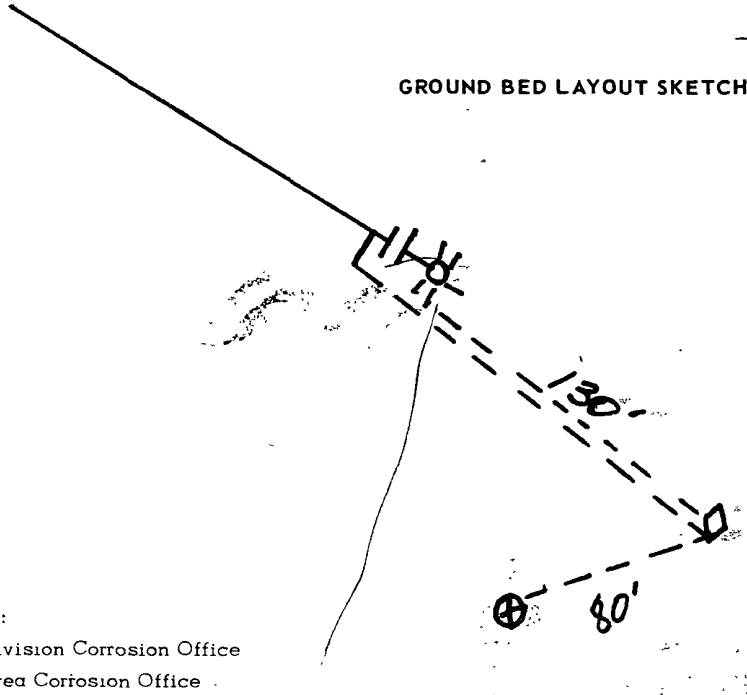
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.7	Amps 14.4	Ohms .81		

Remarks: UNION = BC Wet 90-100 sat over night ah 120' 30' water in hole meth A.M. Sample Drilled to 280' logged 273' TD

Construction Completed

B.I.
(Signature)

GROUND BED LAYOUT SKETCH



20' METER POLE
40/16 RECT
DITCH + 1 CABLE = 210'
XTRA CABLE = 130'
HOLE = 227'

DISTRIBUTION:
WHITE – Division Corrosion Office
YELLOW – Area Corrosion Office
PINK – Originator File

L6489

Form 7-1 (Rev 9-77)

El Paso Natural Gas Company

ENGINEERING CALCULATION

Sheet: 7-14
Date:
By:
File: BT

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

MISC

MW		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_2S	5 17
28.01	N_2	4.16
2 02	H_2	3 38

UNION: OK
STATIC: .87 1510 W # 57557-21

SJ 28-6 # 76A NW- 23-28-6

Wet 90 to 110' set over night at 120'
30' water in hole. (Sample) Drilled to 280'
Drilled 280' logged 273' TD

	.7				
5	.8				
110	1.2				
15	1.3				
20	.9				
25	1.2		200		
30	1.4	(10)	5	2.1	
35	1.6		10	2.2	(5)
40	2.7	(9)	15	2.1	
45	2.5		20	1.6	(4)
50	2.3	(8)	25	1.8	
55	2.5		30	1.5	(3)
60	2.6	(7)	35	2.1	
65	2.1		40	2.3	(2)
70	1.5		45	1.9	
75	1.4		50	1.6	(1)
80	1.0		55	1.6	
85	.7		60	1.6	
90	.8		65	1.6	
95	1.1		70	1.2	
200	2.4	(6)	75	273' TD	
			80		

11.7 V 14.4 A = .81

1 = 250 –	1.6 –	2.3
2 = 240 –	1.9 –	2.8
3 = 230 –	2.3 –	3.3
4 = 220 –	1.7 –	2.5
5 = 210 –	2.0 –	2.7
6 = 200 –	2.3 –	3.1
7 = 160 –	2.2 –	3.2
8 = 150 –	2.7 –	3.7
9 = 140 –	2.5 –	3.5
10 = 130 –	1.7 –	2.8

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

Analysis No. 1-9965 Date 7-25-80

Operator El Paso Natural Gas Well Name SJ 28-6 #76A

Location NW 23-28-6 County San Juan State New Mexico

Field Blanco Formation

Sampled From CPS ~~1510~~ W 90-100-110 foot depth

Date Sampled 7-14-80 By BT

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	552	24	Chloride	60	2
Calcium	164	8	Bicarbonate	265	4
Magnesium	54	4	Sulfate	1450	30
Iron	No test		Carbonate	0	0
H_2S	Absent		Hydroxide	0	0

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 2602

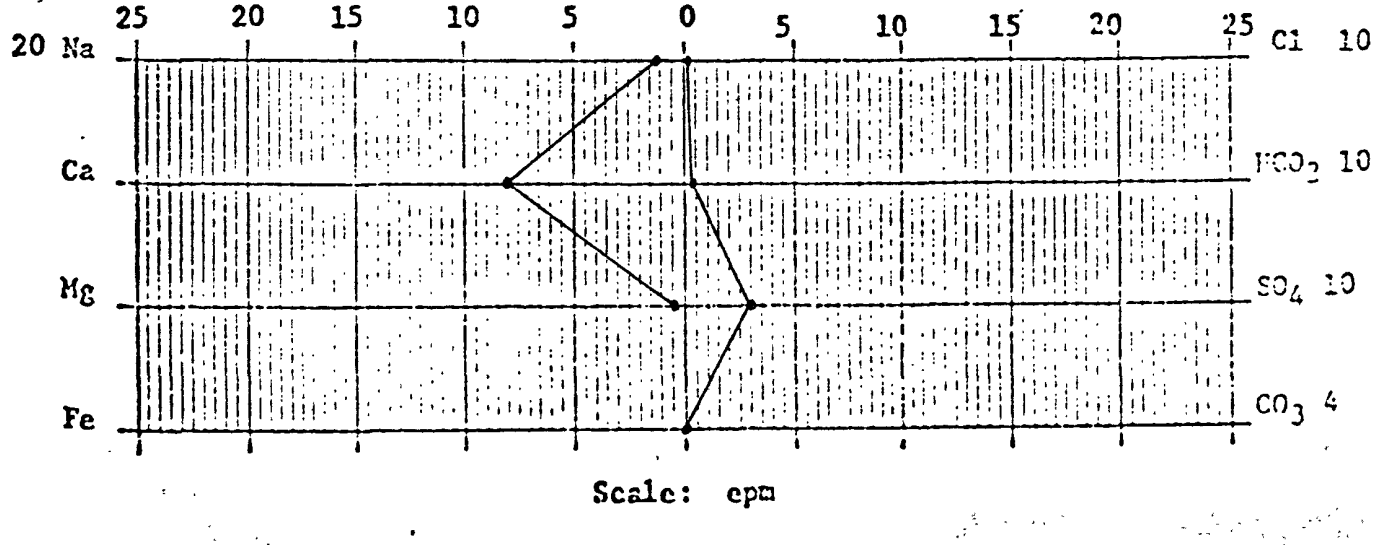
pH 7.8

Sp. Gr. 1.004 At 60°F

Resistivity 286 ohm-cm at 77°F

Deborah Demetclaw
Chemist

RZE



Scale: epm

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

CPS. - 1510-W | S.J. 28-6 #76-A | NW 28-28-6 | N.O. 57557-21 | DAILY DRILLING REPORT

LEASE | WELL NO. | CONTRACTOR 3-C DRILLING | RIG NO. #1 | REPORT NO. | DATE July 14 19 80

MORNING

Driller Brian | Total Men In Crew 3

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. 20'

SER. NO. | STANDS

SIZE 6 3/4 | SINGLES

TYPE | DOWN ON KELLY

MAKE | TOTAL DEPTH 280' TD 273'

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
0	20	sandstone
20	80	shale
80	100	shale
	120	topeka sand approx. 5 lpsr/min.
120	180	shale
180	200	shale & Bentonite

REMARKS –

DAYLIGHT

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. ___

SERIAL NO. | STANDS

SIZE | SINGLES

TYPE | DOWN ON KELLY

MAKE | TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
200	280	shale

REMARKS – Hit water at approx. 100' drilled to 120' water standing Mon. a.m. at approx. 100' Making approx 5 gallons per minute Left water sample, Total hole depth 280' log depth 273'

EVENING

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. ___

SERIAL NO. | STANDS

SIZE | SINGLES

TYPE | DOWN ON KELLY

MAKE | TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Brian Bugg | Company Supervisor