987

8

30-039-21623

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. 5 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #79A

cps 1410w

Elevation 6065' Completion Date 9/7/79 Total Depth 450' Land Type* N/A

Casing, Sizes, Types & Depths 80' OF 8" SURFACE PIPE

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. 80' - 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 48 SACKS

Depths anodes placed: 335', 325', 315', 305', 295', 285', 275', 265', 255', 245'

Depths vent pipes placed: 420'

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.

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CONTRACT #2
2" x 60" DURIRON

Drilling Log (Attach Hereto). ☐ Completion Date 9-5-7-79

Well Name	Location	CPS No.
SJ 29-7 #79A	NW S-29-7	1410W
Type & Size Bit Used: 6 3/4"	STATIC = .92	Work Order No.: 57354-21
Anode Hole Depth: 450'	Total Drilling Rig Time	Total Lbs. Coke Used: 48 BAGS
Lost Circulation Mat'l Used	No. Sacks Mud Used	

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	335	325	315	305	295	285	275	265	255	245
Anode Output (Amps)	3.2	3.8	3.6	3.8	4.1	3.7	3.6	3.3	3.1	3.2
Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)										

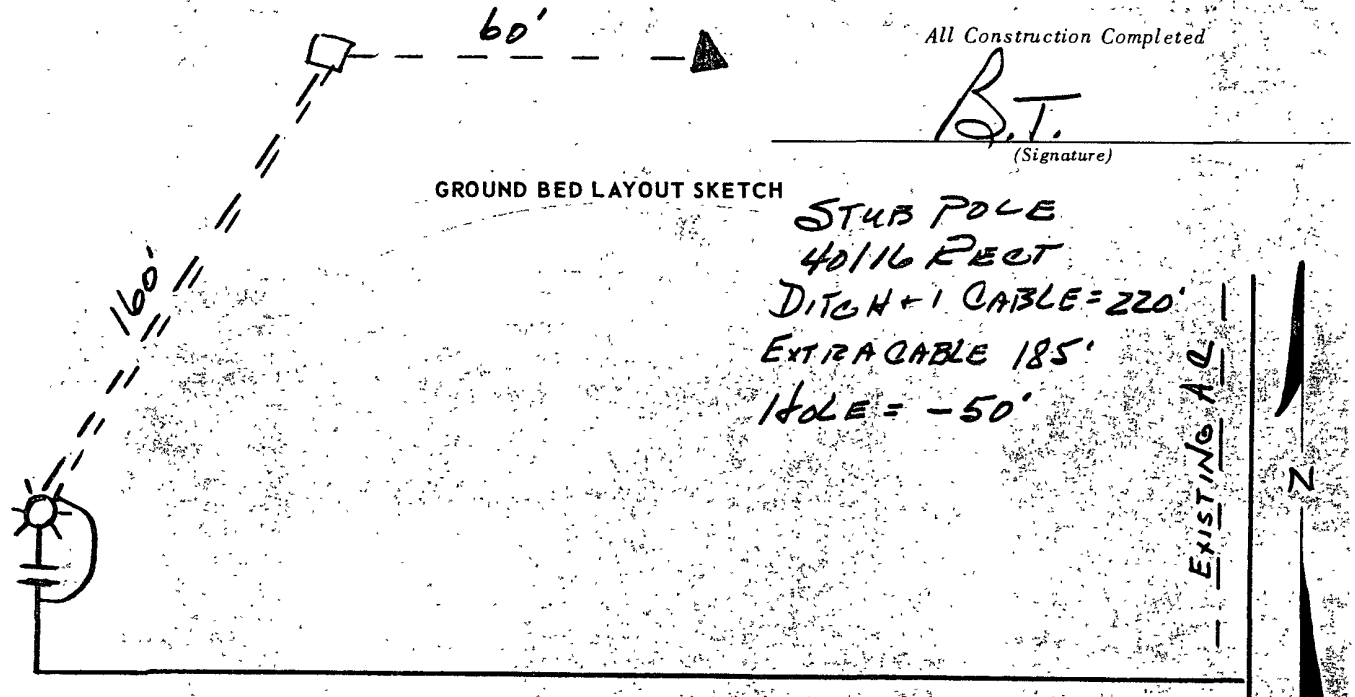
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.8	Amps 11.8	Ohms 1.00			

Remarks: SET 80' 8" PLASTIC SURFACE PIPE. (3 Hrs rig time) Making water 3-4 gal per minute 90-100'. Making more water 100-125 gal per minute 150'-175'. Did not inject any water. Drilled to 460' logged 450' 420' 1" P/C vent pipe 300' perforated. (Water Sample)

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



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

Form 22-2 (Rev. 1-61)

API # 1410 W

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE | WELL NO. | CONTRACTOR Posey | RIG NO. | REPORT NO. | DATE 9-7 19 79

MORNING

Driller | Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. 63/4

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
0	75	Silt
75	80	Sand Stone Making - 3-4 gal min
80	90	Clay yellow
90	150	Shale
150	175	Sand Stone Bubbled of water 100-125 gal min. Aer.
175	460	Shale & Sandy Shale

REMARKS –

DAYLIGHT

Driller | Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller | Total Men In Crew

Drilled 460
Logged 450

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

3 Hr. Coring

SIGNED: Toolpusher Posey Company Supervisor Ralph Murphy

Form 7-1 (Rev 9-77)

El Paso Natural Gas Company
ENGINEERING CALCULATION

H15

Sheet: 9 of
Date: 5-7-
By:
File: B.T.

STATIC = .92 1410 W

SJ 29-7 #79 ANWS-29-7 57354-2

SET 80' 8" PLASTIC SURFACE PIPE. (3 Hrs rig time)
3-4 gal water per minute at 80-100'. Making more
water 100 to 125 gal per minute 150' to 175'

420' 1" PVC vent pipe 300' perforated drilled 460 liquid 450

11.8N 11.8A = 11.00

100		200		300		
5		5	.4	5	2.0	-(8) 55 .6
10		10	.4	10	1.8	60 .7
15		15	.6	15	1.7	-(5) 65
20	1.8	20	.8	20	1.7	70
25	1.4	25	.6	25	1.9	75
30	1.3	30	.4	30	2.0	-(8) 80
35	1.4	35	.5	35	1.8	85
40	1.4	40	.5	40	1.6	-(8) 90
45	1.4	45	.96	45	.7	95
50	.8	50	1.7	50	.4	-(10) 500
55	.3	55	1.7	55	.3	-(9) 5
60	.4	60	1.7	60	.7	10
65	.4	65	1.5	65	.8	-(8) 15
70	.7	70	1.8	70	.8	20
75	.6	75	1.7	75	.7	-(1) 25
80	.5	80	1.7	80	.7	30
85	.5	85	1.7	85	.7	-(6) 55
90	.5	90	1.7	90	.8	40
95	.5	95	1.7	95	.7	-(5) 45
200	.6	300	2.2	400	.8	50
				5	1.0	
1 =	335	1.8	3.2	10	1.1	
2 =	325	2.2	3.8	15	.6	
3 =	315	2.1	3.6	20	.6	
4 =	305	2.0	3.8	25	.5	
5 =	295	2.2	4.1	30	.7	
6 =	285	2.0	3.7	35	.6	
7 =	275	1.9	3.6	40	.6	
8 =	265	2.0	3.3	45	.7	
9 =	255	1.8	3.1	50	.8	
10 =	245	1.8	3.2			

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

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

Analysis No. 1-9792 Date 12-27-79

Operator El Paso Natural Gas Well Name San Juan 29-7 79 A

Location NW 5-29-7 County Rio Arriba State New Mexico

Field _____ Formation _____

Sampled From C.P.S. ~~T410~~ W.

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press _____

	ppm	epm		ppm	epm
Sodium	95	4	Chloride	8	.2
Calcium	243	12	Bicarbonate	398	7
Magnesium	22	2	Sulfate	544	11
Iron			Carbonate	0	0
H_2S	Absent		Hydroxide	0	0

Total Solids Dissolved 790

pH 7.4

Sp. Gr. 1.0021 at 60°F

Resistivity 658 ohm-cm at 77 °F

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan
Water At 140-160'

Joe Barnett
Chemist
GK