1378

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30-039-22189

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. 18 Twp 28 Rng 6

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

cps 1610w

Elevation 6617' Completion Date 7/30/81 Total Depth 460' 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. 180' - 200' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 5600 lbs.

Depths anodes placed: 420', 410', 400', 390', 380', 370', 360', 350', 240', 230'

Depths vent pipes placed: 450'

Vent pipe perforations: 280'

Remarks: gb #1

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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

Drilling Log (Attach Hereto). ☐ (2" x 60" Durion) Completion Date 7/30/81

Well Name	Location	CPS No.
S.J. 28-6 UNIT #28A	NW 18-28-6	1610 W

Type & Size Bit Used	Work Order No.
6 3/4"	57843-21-50-20

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
460' T.D 450'				

Anode Depth	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
	420'	410'	400'	390'	380'	370'	360'	350'	240'	230'
Anode Output (Amps)	2.7	4.0	3.4	2.7	2.5	2.5	2.3	2.6	4.7	5.0
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 11.9	Amps 15.2	Ohms .78		

Remarks: STATIC 600's = .93V (unions checked OK) Driller said water between 180-200' Approx 1 GAL./min. Drilled to 200'. water standing in hole next A.M. at 180'. Took water sample. Drilled to 460'. Logged 450'. INSTALLED 450' of 1" P.V.C. vent pipe. Perforated 280'.

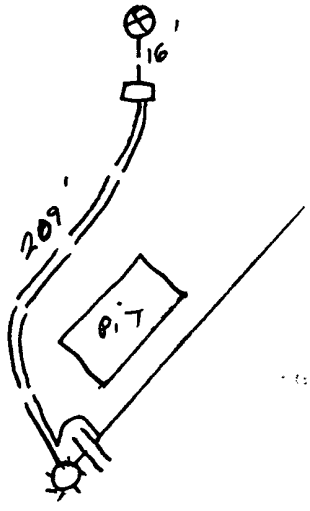
Coke Breeze was Hauled in Bulk & Est. 5600 Lb. in Hole

Ditch + 1 cable = 225' ✓
extra cable = 229' ✓
40V 16A Rect. ✓
25' meter Loop Pole ✓
Hole Depth - 50' ✓

All Construction Completed

J C Stalb
(Signature)

GROUND BED LAYOUT SKETCH



N

	Reg.	O.T.
Hrs.	8	2 ✓

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

Well 7

Form 7-354 (Rev. 11-77)

EL PASO NATURAL GAS COMPANY

Sheet ____ of ____

Date: ____

By: ____

CPS - 1610 W

S.J. 28-6 UNIT # 28A NW 18-28-6 W.O. 57843-21-50-20

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

MW	MISC	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

180 -	350 - 1.4 - (5)	Drilled Air Water Between
	1.4	180 - 200'. Approx. 1 gal./min.
90 -	60 - 1.3 - (7)	Drilled To 200'. Water standing
	1.3	in Hole Next A.M. At 180'.
200 - .6	70 - 1.4 - (6)	Took water sample. Drilled
.6	1.4	To 460'. Logged 450'. Installed
10 - 1.1	80 - 1.3 - (5)	450' of 1" P.V.C. Vent Pipe
1.0	1.4	Perforated 280'
20 - 1.4	90 - 1.4 - (4)	
1.5	1.3	
30 - 1.9 - (1)	400 - 1.5 - (3)	11.9 V. 15.2 A. = .78 Ω
1.7	1.7	7/30/81
40 - 1.5 - (2)	0 - 1.6 - (2)	JR
1.3	1.5	
50 - 1.2	20 - 1.3 - (1)	
1.2	1.3	
60 - 1.1	30 - 1.6	
.8	1.4	
70 - .7	40 - 1.2	
.6	1.2	1 - 420' - 1.8 - 2.7
80 - .5	50 - T.D.	2 - 410' - 2.4 - 4.0
.5		3 - 400' - 1.8 - 3.4
90 - .5	60 - Drilled To	4 - 390' - 1.8 - 2.7
1.3		5 - 380' - 1.8 - 2.5
300 - 1.3	70 -	6 - 370' - 1.8 - 2.5
1.3		7 - 360' - 1.7 - 2.3
10 - 1.1	80 -	8 - 350' - 1.8 - 2.6
.6		9 - 240' - 2.0 - 4.7
20 - .3		10 - 230' - 2.5 - 5.0
.3		
30 - .4		
.5		
40 - .6		
.8		

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

Analysis No. 1-10317 | Date 8-5-81

Operator EPNG | Well Name S.J. 28-6 #28A - CPS 1610W

Location NW 18-28-6 | County Rio Arriba | State New Mexico

Field Blanco | Formation

Sampled From 180'-200' Approx. 1 gal/min.

Date Sampled 7-30-81 | By J. E. Stotts

Tbg. Press. | Csg. | Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	1240	53.9	Chloride	25	0.7
Calcium	292	14.6	Bicarbonate	54	0.9
Magnesium	21	1.7	Sulfate	3300	68.6
Iron	Absent		Carbonate	0	0
H_2S	Absent		Hydroxide	0	0

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

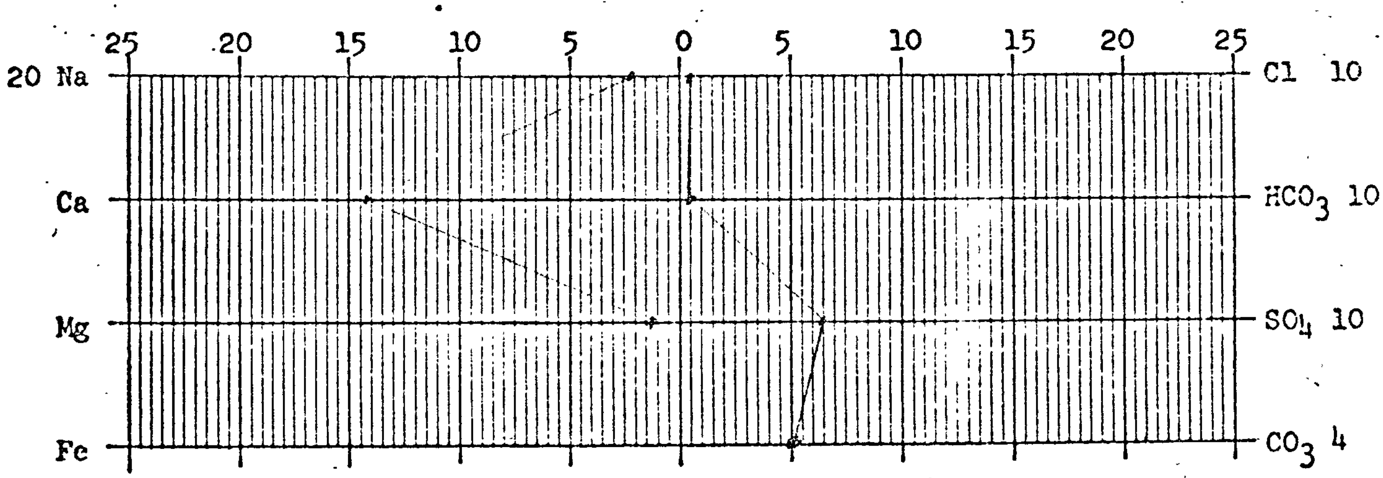
Total Solids Dissolved 4,608

pH 7.7

Sp. Gr. 1.0053 At 60°F

Resistivity 145 ohm-cm at 73°F

[signature]
Chemist
RZE



Scale : epm

Form 22-2 (Rev. 5-79)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

SJ 28-6 #28A | CP 5 1610 W | CONTRACTOR Stony Drilling | RIG NO. 2 | REPORT NO. | DATE July 30 19 81

LEASE | WELL NO.

MORNING

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

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
0	50	Sand
50	120	Shale
120	200	Sandy Shale
2	220	Sand
220	280	Shale
280	300	Sand

REMARKS –

Water 180 - 200 1 Gallon Min

Drilled 460 TD 450

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

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
300	320	Shale
320	360	Sand
360	460	Shale

REMARKS –

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

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Steve Stony Company Supervisor