

1251 #12A 30-039-21863
#79E 30-039-23833

E

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

Operator MERIDIAN OIL Location: Unit SE Sec. 7 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #12A, #79E
cps 1542w

Elevation 6664' Completion Date 7/16/80 Total Depth 400' 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. DAMP AT 90' WATER 170' - 180' TOO MUDDY

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 335', 325', 315', 270', 260', 245', 230', 220', 210', 200'

Depths vent pipes placed: 400'

Vent pipe perforations: 250'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 2

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

8 Hrs Run
2 Hrs OT

Drilling Log (Attach Hereto) ☐

79E

2" x 60" DUREIRON

Completion Date 7-16-80

Well Name S-J 28-5 #12A		Location SE 7-28-5		CPS No. 1542 W	
Type & Size Bit Used 6 3/4"		STATIC .92		Work Order No. 57542-21	
Anode Hole Depth 400	Total Drilling Rig Time 392 TD	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 335	# 2 325	# 3 315	# 4 270	# 5 260
	# 6 245	# 7 230	# 8 220	# 9 210	# 10 200
Anode Output (Amps)	# 1 3.5	# 2 2.4	# 3 2.9	# 4 3.7	# 5 3.3
	# 6 3.7	# 7 3.0	# 8 4.3	# 9 5.1	# 10 4.7
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.5		Amps 17.6		Ohms .65
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

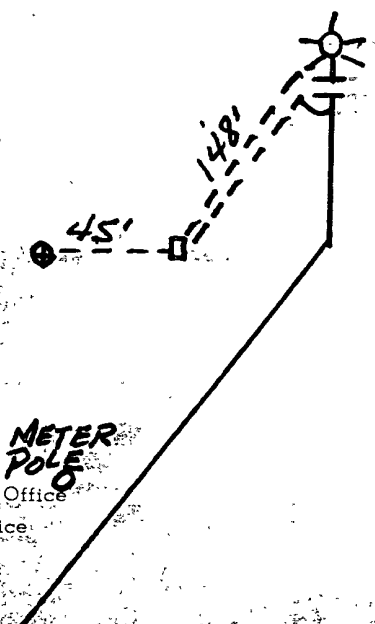
Remarks: **UNION - OK DAMP AT 90' GOOD WATER AT 170**
180' SAMPLE TO MUDY DRILLED TO 400
LOGED TO 392' TD
250' 1" VENT PIPE PERFORATED 150' PLAIN
NOTE: CONTRACTOR UNABLE TO PLOW TO ROCKY.

All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH



20' METER POLE
OFF LOCATION
STUB POLE
40' x 16' RECT
HOLE = -108'

UNAVAILABLE CABLE
EXTRA CABLE NEEDED
SEE NOTE

DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

6664

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: _____ of _____
Date: 7-16-71
By: BT
File: 57542-21UNION = OK 1542 W. . 57542-21
STATIC = .92
ST 28-5 #12A SE 7-28-5DAMP AT 90 GOOD WATER AT 170-180
SAMPLE TO MUDY DRILL TO 400'
LOGGED TO 392' TD260' 1" PERFORATED VENT 1.5V 17.6A = .65 Ω
150' 1" PLAIN

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 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

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

150	1.4		
55	1.1	30	1.5 - ①
60	1.0	35	1.7
65	1.1	40	1.3
70	1.0	45	1.4 - ⑥
75	1.0	50	1.2
80	.9	55	1.7
85	1.9	60	1.5 - ⑤
90	2.1	65	1.5
95	2.3	70	1.7 - ④
200	2.3 - ⑩	75	1.8
5	2.3	80	1.2
10	2.3 - ⑨	85	.6
15	2.1	90	.4
20	2.0 - ⑧	95	.4
25	1.6	300	.5
1	335 -	2.3 -	3.5
2	325 -	1.5 -	2.4
3	315 -	1.4 -	2.3
4	270 -	2.4 -	3.7
5	260 -	1.9 -	3.3
6	245 -	2.4 -	3.7
7	230 -	1.7 -	3.0
8	220 -	2.0 -	4.3
9	210 -	3.3 -	5.1
10	200 -	3.2 -	4.7
			80 .5
			85 .7
			90 - 392
			95
			400

DRILLING DEPARTMENT

DAILY DRILLING REPORT

CPS-1542 W

San Juan 28-5 #12A

W.O.# 57543-21

SE 7-28-5.MV

LEASE

WELL NO.

CONTRACTOR

3-C DRILLING

RIG NO ~~11~~ /

REPORT NO.

DATE July 16

950

MORNING

DAYLIGHT

EVENING

Driller Beiden

Total Men In Crew 3

Driller

Total Men In Crew

Driller

Total Men In Crew

[illegible]

	NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____
BIT NO.	NO. DC _____ SIZE <u>1 1/2</u> LENG. <u>20'</u>	BIT NO.	NO. DC _____ SIZE _____ LENG. _____	BIT NO.	NO. DC _____ SIZE _____ LENG. _____
SER. - NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE <u>6 3/4</u>	SINGLES <u>16</u>	SIZE	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH <u>320' T.D.</u>	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH

[illegible]

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	20	sandstone	200	260	shale - RED			
20	90	shale	260	300	shale			
90	100	sand	300	320	sandy shale			
	160	shale	320	340	shale			
160	180	sand - water	340	360	Bentonite			
180	200	shale	360	400	sand			

REMARKS -	REMARKS - Drilled to 180' water standing NEXT A.M. AT APPROX. 175' Hole making Approx 1 gallon per minute. Blew out mud not enough to get sample. Hole was not clean ABOVE. Total Hole Depth 392 460' Total Log Depth 392' Had to go deeper	REMARKS -
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SIGNED: Toolpusher

Brian Buzge

____ Company Supervisor