

1007

37-30-039-07175

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135-30-039-20577

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

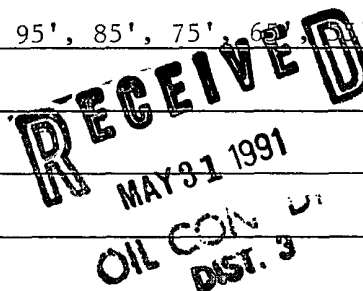
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 6 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #37, #135

cps 1286w

Elevation 6155 Completion Date 9/12/78 Total Depth 260' Land Type* N/ACasing, Sizes, Types & Depths 20' OF 8" PVC SURFACE CASINGIf 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. 50'Depths gas encountered: N/AType & amount of coke breeze used: 40 SACKSDepths anodes placed: 220', 145', 135', 125', 95', 85', 75', 65', 45'Depths vent pipes placed: 240'Vent pipe perforations: 200'Remarks: gb #1

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 LOG

Drilling Log (Attach Hereto) ☐

Completion Date

9/12/78

Well Name S.J. 28-6 *37		Location S W 6-27-6		CPS No. 1286 W	
Type & Size Bit Used 6 3/4				Work Order No. 52738-19	
Anode Hole Depth 260 - T.D. 255'		Total Drilling Rig Time		Total Lbs. Coke Used 40 SACKS	
Anode Depth		Lost Circulation Mat'l Used		No. Sacks Mud Used	
#1 220'	#2 145'	#3 135'	#4 125'	#5 95'	#6 85'
#7 75'	#8 65'	#9 55'	#10 45'		
Anode Output (Amps)					
#1 1.9	#2 2.5	#3 3.4	#4 3.5	#5 1.9	#6 1.9
#7 2.8	#8 3.4	#9 2.8	#10 3.1		
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. 12 C.P. Cable Used	
Volts 11.5 V		Amps 11.6 A		Ohms .99	

Remarks: (Bent Box on #135) Drilled 60' WATER AT 50' APPROX 75' LOG
(STATIC 600' N. 2,91 V ON #37) TOOK WATER SAMPLE. WATER STANDING
IN HOLE NEXT A.M. AT 30'. DRILLED TO 260' LOGGED 255'. INSTALLED 240'
OF 1" P.V.C. VENT PIPE. PERFORATED 200'. SET 20' OF 8" P.V.C. SURFACE
CASING. 1 1/2" X 60" DURIRON

Ditch & 1 CABLE = 810'

EXTRA CABLE = 240'

60V 30A RECT. + 20' meter Loop Pole

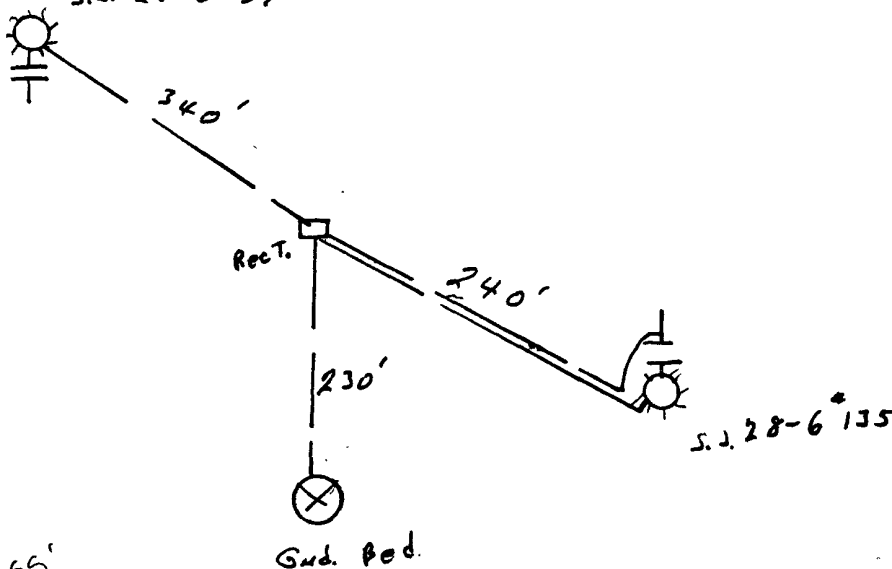
Hole Depth - 245'

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH

S.J. 28-6 *37



DISTRIBUTION:

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

255'

DAILY DRILLING REPORT

LEASE			WELL NO. <u>1286 W</u>			CONTRACTOR <u>D. & J. Ent.</u>			RIG NO. <u>2</u>			REPORT NO.			DATE <u>Sep 12</u>			19 <u>78</u>		
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.				
		NO. DC _____ SIZE _____ LENG. _____						NO. DC _____ SIZE _____ LENG. _____						NO. DC _____ SIZE _____ LENG. _____						
BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____				BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____				BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____						
SERI. 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						
0	10	Sand Stone				60	80	Shale				160	180	Shale						
10	20	Sand				80	90	Sandy Shale				180	200	Sandy Shale						
20	40	Sand Stone				90	120	Shale				200	240	Shale						
4	50	Sandy Shale				120	140	Sandy Shale				240	260	Sandy Shale						
50	55	Water Sand				140	150	Shale												
55	60	Sandy Shale				150	160	Sandy Shale												
REMARKS -						REMARKS -						REMARKS -								
												Drilled to 260 Logged to 255 Est 75 or 80 gr. m. Set 20' of 8" Pipe								

SIGNED: Toolpusher

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

CPS - 1286 W

S.V. 28-6 * 37

52718-19

S.V. 28-6 * 135

LW 6-27-6

20663-19

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 ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

40 - .7
1.4 - ⑩50 - 1.5
1.4 - ⑩60 - 1.6
1.8 - ⑩70 - 1.8
1.7 - ⑩80 - 1.3
1.2 - ⑩90 - 1.0
.9 - ⑩100 - .9
.710 - .7
.820 - 1.0
1.6 - ⑩30 - 1.6
1.6 - ⑩40 - 1.2
1.3 - ⑩50 - .7
.760 - .6
.670 - .6
.680 - .6
.690 - .5
.6100 - .8
.810 - .9
.720 - 1.1 - ⑩
1.030 - .6
.540 - .5
.650 - .6
.6 T.D

60 - Drilled

Drilled 60' Driller Water
AT 50'. Approx 75-80 gal/hr
Took Water Sample. Water Standing
in Hole Next A.M. AT 30'
Drilled To 260' Logged 255'
Installed 240' of 1" P.V.C.
Vent Pipe. Perforated 200'
Set 20' of 8" P.V.C. Surface
Casing.

9/12/78

1-220- 1.1 - 1.9

2-145- 1.5 - 2.5

3-135- 2.2 - 3.4

4-125- 2.2 - 3.5

5-95- 1.2 - 1.9

6-85- 1.3 - 1.9

7-75- 2.0 - 2.8

8-65- 2.2 - 3.4

9-55- 1.7 - 2.8

10-45- 1.7 - 3.1

11.5 V 11.6 A = .99

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

Analysis No. 1-9355 Date 11-8-78

Operator _____ Well Name San Juan 28-6 #135

Location SW 6-27-6 County Rio Arriba State NM

Field _____ Formation _____

Sampled From C.P.S. 1286 W WTR @ 50' 75-80 GPM

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press. _____
 ppm epm ppm epm

Sodium 1212 53 Chloride 24 .7

Calcium 395 20 Bicarbonate 366 6

Magnesium 151 12 Sulfate 3750 78

Iron PRESENT Carbonate 0 0

H₂S ABSENT Hydroxide 0 0

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

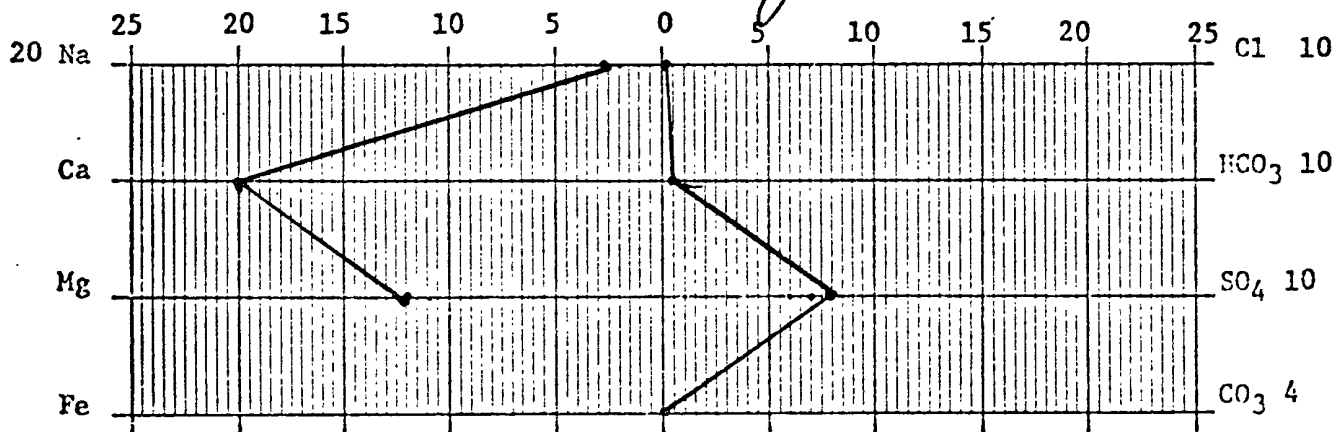
Total Solids Dissolved 5398

pH 7.9

Sp. Gr. 1.0058 at 60°F

Resistivity 185 ohm-cm at 71°F

Joe Barnett RZE
 Chemist



Scale: epm