

1015

40-30-039-07189

E

133-30-039-20584

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

Operator MERIDIAN OIL Location: Unit NE Sec. 4 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #40, #133

cps 128lw

Elevation 6278' Completion Date 9/14/78 Total Depth 340' 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. 55' & 90'

Depths gas encountered: N/A

Type & amount of coke breeze used: 42 SACKS

Depths anodes placed: 290', 280', 270', 260', 245', 230', 215', 200', 185', 170'

Depths vent pipes placed: 300'

Vent pipe perforations: 260'

Remarks: gb #1

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

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

Drilling Log (Attach Hereto) ☐

Completion Date 9-14-78

Well Name SAN JUAN 28-6 #40 + #133		Location NE 4-27-6		CPS No. 1281 W	
Type & Size Bit Used 6 3/4		Contract # CONTRACT #2		Work Order No. 52632.19 + 20661.19	
Anode Hole Depth 340-327	Total Drilling Rig Time	Total Lbs. Coke Used 42 sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 290	# 2 280	# 3 270	# 4 260	# 5 245	# 6 230
# 7 215	# 8 200	# 9 185	# 10 170		
Anode Output (Amps)					
# 1 2.6	# 2 2.7	# 3 2.5	# 4 3.3	# 5 3.2	# 6 3.5
# 7 3.0	# 8 3.2	# 9 3.5	# 10 3.2		
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					
Volts 11.9	Amps 15.4	Ohms .77		No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

Remarks: STATIC C/S #40 600'S = .88 #133 600'S E = .76

1606' Ditch and cable - 460' EXTRA

Good water at 90' making APPROX 35 GPM INSTALLED
300 FT OF PVC PIPE WITH 260 FT OF PERFORATION
SLURRIED 42 SACKS OF COKE 1 1/2" X 60" DURIRON

Hole Depth - 173 FT

60 V 30 A Rect

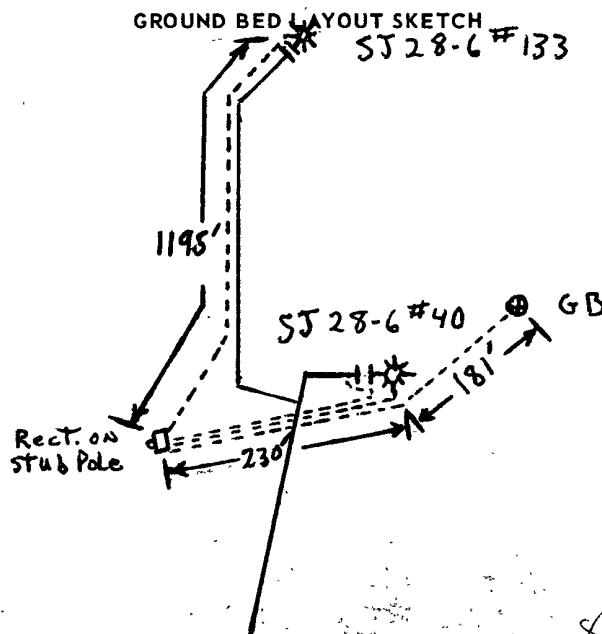
DITCH + cable = 1606 FT

STUB POLE

All Construction Completed

EXTRA cable = 460 FT

Robert J. Bahnick
(Signature)



DISTRIBUTION:

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

6278

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-14-77
By: RLB
File: 1281W1281W
SS 28-6 #40
SS 28-6 #133

Ne 4-28-6

52632.19
20661.19

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

50	250	1.9
60	260	1.9
70	270	1.8
80	280	1.5
90	290	1.6
100	300	1.3
110	310	1.2
120	320	1.0
130	330	0.9
140	340	0.7
150		0.8
160		0.7
170		1.1
180		1.8
190		2.0
200		2.2
210		1.9
220		1.7
230		1.9
240		2.1
		2.0

DRILLER SAID WATER AT 55'
+ Big WATER AT 90'
DRILLED 340' logged
325' 327' + D
INSTALLED 300' OF VENT
Pipe - Perforated 260'
WATER APPROX 35 GPM
Hole - 500' - 327' = 173' CR
60V30A Rect
STUB POLE

1-290 - 1.8 - 2.6
2-280 - 1.8 - 2.7
3-270 - 1.7 - 2.5
4-260 - 2.2 - 3.3
5-245 - 2.1 - 3.2
6-230 - 2.3 - 3.5
7-215 - 1.9 - 3.0
8-200 - 2.1 - 3.2
9-185 - 2.3 - 3.5
10-170 - 1.9 - 3.2

TOTAL 15.4A @ 11.9V
0.77 ohms

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

Analysis No. 1-9352 Date 11-8-78

Operator _____ Well Name San Juan 28-6 #40 & 133

Location NE 4-28-6 County Rio Arriba State NM

Field _____ Formation _____

Sampled From C.P.S. 1281 W

Date Sampled _____ By _____

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

Sodium 447 19

Chloride 17 0.5

Calcium 24 1

Bicarbonate 527 9

Magnesium 1 0.1

Sulfate 560 12

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

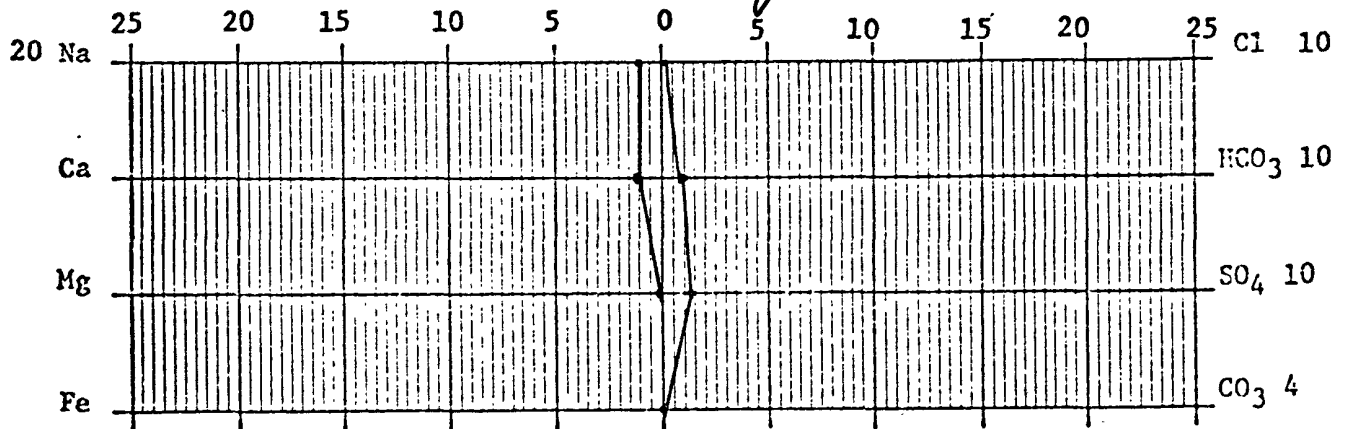
Total Solids Dissolved 1542

pH 8.5

Sp. Gr. 1.0020 at _____ °F

Resistivity 640 ohm-cm at 71 °F

Joe Barnett
Chemist RZE



Scale: epm

DAILY DRILLING REPORT

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE			19		
MORNING					DAYLIGHT					EVENING										
Driller					Driller					Driller										
Total Men In Crew					Total Men In Crew					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.						
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SERIAL 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	5	Surface			115	130	Shale													
5	60	Sandstone			130	135	Sandstone with shale													
60	65	Shale			135	165	Sandstone													
6	90	SS stone (Water)			165	255	Shale													
90	95	Shale			255	320	Shale with ss													
95	115	Sandstone			320	340	Sandstone													
REMARKS -					REMARKS -					REMARKS -										
										Drilled 6 3/4 hole to 340										
										Logged to 327										
										App. 35 G.P.M.										

SIGNED: Toolpusher

Butch Benoit

____ Company Supervisor