

#7 - 30-039-07465
#88 E - 30-039-23834

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 SW Sec. 8 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #7, #85E

cps 1107w

Elevation 6549' Completion Date 9/7/77 Total Depth 320' 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. 110'

Depths gas encountered: N/A

Type & amount of coke breeze used: 57 SACKS

Depths anodes placed: 265', 255', 245', 235', 225', 215', 160', 150', 140', 130'

Depths vent pipes placed: 280' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-7-77

Well Name SAN JUAN 28-5 UNIT # 7		Location SW 8-28-5		CPS No. 1107W	
Type & Size Bit Used 6 3/4"				Work Order No. 52577.19	
Anode Hole Depth 320 Logged-315	Total Drilling Rig Time	Total Lbs. Coke Used 57	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 265	# 2 255	# 3 245	# 4 235	# 5 225	# 6 215
# 7 160	# 8 150	# 9 140	# 10 130		
Anode Output (Amps)					
# 1 2.5	# 2 3.2	# 3 2.9	# 4 2.9	# 5 2.8	# 6 3.6
# 7 3.8	# 8 4.6	# 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		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.6		Amps 14		Ohms 0.83	

Remarks: Static 600' S = 0.75. Driller said making water @ 110'
Perforated 200' of 1" PVC Vent Pipe, Installed 280' of 1" PVC Vent P.
Slurried 57 sacks of coke.

Installed 40V 16A Rectifier & Stub Pole.

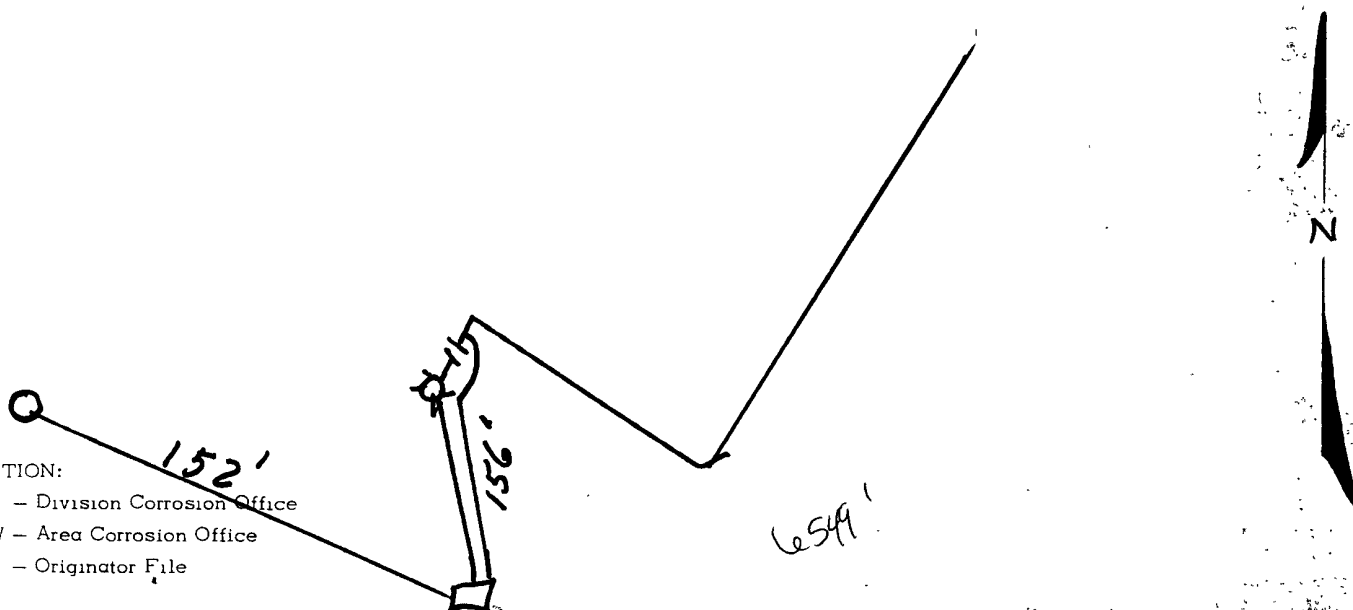
All Construction Completed

W. Z. Lutz
(Signature)

GROUND BED LAYOUT SKETCH

DISTRIBUTION:

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



El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

SAN JUAN 28-5 Unit #7 SW 8-28-5 1107W 52577.19

STATIC 600'S = 0.75

40 V 16 A Root.

Stub Pole

DRILLER SAND MAKING WATER @ 110'
DRILLED TO 120' NEXT AM BLOW WATER
PERFORATED 200' 4" 1" PVC VENT PIPE
INSTALLED 280' 0.51" PVC VENT PIPE
SHIPPED 57 SACKS OF COKE

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

120 .5 80 .3
 .8 .8
 30 1.0 ⑩ 90 .7
 1.8 .6
 40 1.8 ⑨ 300 .8
 2.0 .8
 50 2.2 ⑧ 10 .6
 2.1 315 x D
 60 1.9 ⑦ 20
 1.3
 50 .8
 .6
 80 .6
 .5
 90 .4

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

200 .4
 .5
 10 .8
 1.5 - ⑥
 30 1.6
 1.2 - ⑤
 30 1.0
 1.2 - ④
 40 1.1
 1.2 - ③
 50 1.2
 1.5 - ②
 60 1.6
 1.2 - ①
 70 1.0
 .4

① 265 1.6 2.5
 ② 255 2.0 3.2
 ③ 245 1.6 2.9
 ④ 235 1.7 2.9
 ⑤ 225 1.7 2.8
 ⑥ 215 1.9 3.6
 ⑦ 160 2.1 3.8
 ⑧ 150 2.5 4.6
 ⑨ 140 1.9 3.5
 ⑩ 130 1.7 3.2

14.0 FmPS
 11.6 VolTS
 0.83 OhmS

DAILY DRILLING REPORT

LEASE			WELL NO. 1107W			CONTRACTOR <u>Posy Drilling Co.</u>			RIG NO.			REPORT NO.			DATE <u>9-7-77</u>			19		
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.						
					T.D. 317 #															
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES				
TYPE		DOWN ON KELLY		TOTAL DEPTH		TYPE		DOWN ON KELLY		TOTAL DEPTH		TYPE		DOWN ON KELLY		TOTAL DEPTH				
MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED				
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.			
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN						
0	10	Surface				120	165	shale				270		Shale						
10	30	silt (NOT BAD)				165	201	Sandy shale												
30	65	shale				201	225	shale												
6"	100	sandstone				225	238	sandstone												
11	105	shale				238	265	shale												
105	120	Sand wet (making water)				265	270	shale sandy												
REMARKS -						REMARKS -						REMARKS -								
making water 105' 120'						Drilled 320 #														
injected 130'						Logged 315 #														
						Total depth 317														

SIGNED: Toolpusher

____ Company Supervisor