

#13 30-039-07457

E

#89E 30-039-23857

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. 9 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #13, #89E

cps 1108w

Elevation 6642' Completion Date 9/27/77 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. 80'

Depths gas encountered: N/A

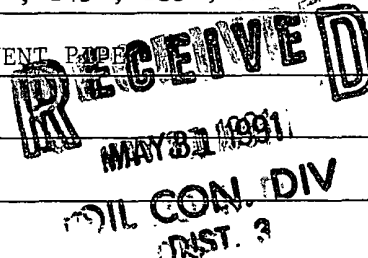
Type & amount of coke breeze used: 40 SACKS

Depths anodes placed: 275', 265', 205', 195', 180', 145', 135', 125', 115', 105'

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

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) ☐ # 896

Completion Date 9-27-77

Well Name SAN JUAN 28-5 #13		Location SW 9-28-5		CPS No. 1108W	
Type & Size Bit Used 6 3/4"				Work Order No. 184-52964.19-50-20	
Anode Hole Depth 320' 1099ed 308'	Total Drilling Rig Time		Total Lbs. Coke Used 40 SACKS	Lost Circulation Mat'l Used	
Anode Depth	#1	#2	#3	#4	#5
	275	265	205	195	180
Anode Output (Amps)	#1	#2	#3	#4	#5
	3.8	4.0	4.5	3.3	3.6
Anode Depth	#6	#7	#8	#9	#10
	145	135	125	115	105
Anode Output (Amps)	#6	#7	#8	#9	#10
	4.0	4.9	5.3	5.2	4.9
Anode Depth	#11	#12	#13	#14	#15
Anode Output (Amps)	#11	#12	#13	#14	#15
Total Circuit Resistance	Volts 11.7		Amps 19.3		Ohms .61
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: **DRILLER SAID HIT WATER AT 80'**

STATIC - 600' S = .72

INSTALLED 280' OF 1" VENT PIPE, PERFORATED 200' OF VENT PIPE

SLURRIED 32 SACKS OF COKE

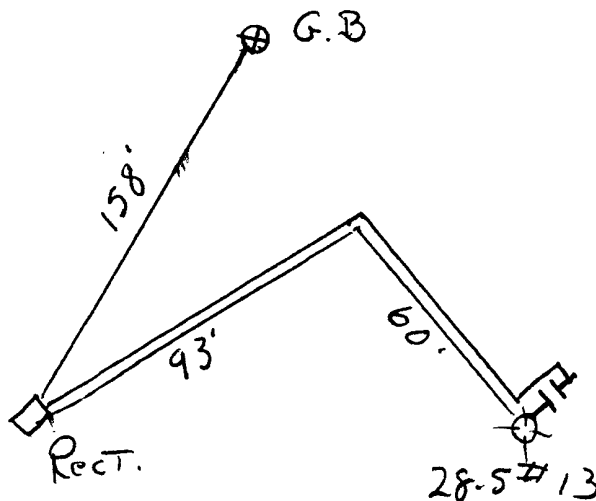
40V 16A RECT

STUB POLE

All Construction Completed

Wilbur Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

66642

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 9 of 7Date: 9-27-77

By: _____

File: _____

SAN JUAN 28-5 #13

W/O-184-52964.19-50-20

SW 9-28-5

CPS 1108 W

MW gals/mol

16.04 C₁ 6.430.07 C₂ 10.1244.10 C₃ 10.4258.12 IC₄ 12.3858.12 nC₄ 11.9372.15 IC₅ 13.8572.15 nC₅ 13.7186.18 IC₆ 15.5086.18 C₆ 15.57100.21 IC₇ 17.2100.21 C₇ 17.48114.23 C₈ 19.3928.05 C₂ 9.6442.08 C₃ 9.87

MISC.

MW gals/mol

32.00 O₂ 3.37

28.01 CO 4.19

44.01 CO₂ 6.3864.06 SO₂ 5.5034.08 H₂S 5.1728.01 N₂ 4.162.02 H₂ 3.38

STATIC - 600' 5 - .72
40V 16A Rect
STUB Pole

DRILLER SAID HIT WATER @ 180'
Installed 280' of 1" VENT PIPE
PERFORATED 200' of VENT PIPE
SLURRIED 4.0 SACK COKE

80 1.2 1.9 (3)

10 1.4 1.3

90 1.5 1.8

20 1.7 1.4

100 2.3 1.3

30 2.8 (10) 1.2

10 2.6 1.4

20 2.8 (9) 1.6

30 3.0 1.9

2.7 (8) 1.5

30 2.5 1.8

2.7 (7) 1.6

40 2.3 2.1 (2)

1.8 (6) 2.0

50 1.1 2.1 (1)

80 1.8 1.8

60 1.3 1.4

90 1.5 1.7

70 1.6 1.6

1.8 300 logged 302'

2.1 (5) TD 320'

1.7

10 1.3

1.6 (4)

200 1.9

① 275 2.3 3.8

② 265 2.2 4.0

③ 205 2.3 4.5

④ 195 1.8 3.3

⑤ 180 2.1 3.6

⑥ 145 2.3 4.0

⑦ 135 2.8 4.9

⑧ 125 3.0 5.3

⑨ 115 3.0 5.2

⑩ 105 3.0 4.9

11.7 VOLTS

19.3 AMPS

61 ohms

DAILY DRILLING REPORT

LEASE			WELL NO. 1108W			CONTRACTOR POSEY DRILLING CO.			RIG NO.			REPORT NO.			DATE Sept 27			1977		
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.						
BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.								
SERI NO.		STANDS			SERI NO.		STANDS			SERI 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			100	120	SANDY SHALE			210	240	SANDY SHALE								
5	25	SANDY CLAY			120	140	SHALE			240	260	SHALE								
25	50	SANDY SHALE			140	160	SANDY SHALE			260	280	SANDY SHALE								
50	70	SHALE			160	170	SAND WET			280	300	SHALE								
70	80	SANDY SHALE			170	190	SANDY SHALE			300	320	SANDY SHALE								
80	100	SAND WET (MAKING WATER)			190	210	SHALE													
REMARKS -					REMARKS -					REMARKS -										
										Drilled 320										
										Logged 302										
										Total Depth 311										

SIGNED: Toolpusher

Company Supervisor D