

#23 30-039-07331

E

#64 30-039-07321

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. 28 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #23, #64

cps 1136w

Elevation 6690' Completion Date 9/13/77 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' - 110'

Depths gas encountered: N/A

Type & amount of coke breeze used: 51 SACKS

Depths anodes placed: 275', 265', 255', 230', 220', 210', 200', 175', 165', 155'

Depths vent pipes placed: 300'

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
MAY 31 1991

OIL CON.

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

Handwritten initials

Drilling Log (Attach Hereto) ☐

Completion Date **9-13-77**

Well Name SAN JUAN 28-5 UNIT #23 #64		Location NE 28-28-5		CPS No. 11364	
Type & Size Bit Used 6 3/4		Work Order No. #23 53216.19 #64 54294.19			
Anode Hole Depth 320 Logged - 305	Total Drilling Rig Time	Total Lbs. Coke Used 51	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 275	# 2 265	# 3 255	# 4 230	# 5 220	# 6 210
# 7 200	# 8 175	# 9 165	# 10 155		
Anode Output (Amps)					
# 1 3.0	# 2 4.4	# 3 2.9	# 4 3.0	# 5 3.0	# 6 3.1
# 7 3.5	# 8 4.0	# 9 3.2	# 10 3.9		
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 11.1		Amps 15.3		Ohms 0.73	

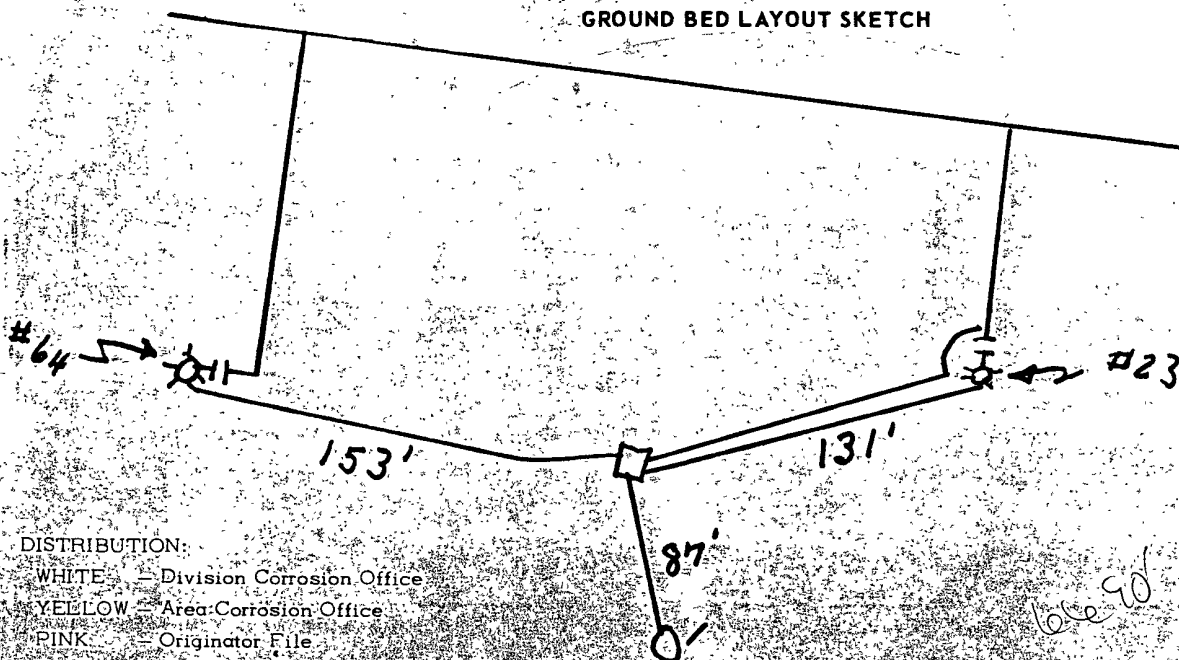
Remarks: **Static #23 600' E = 0.73 Static #64 600' NE = 0.78**
DRILLER SAID MAKING WATER BETWEEN 80' & 100'. DRILLED TO 110' WAITED
2 HRS. BLEW WATER. PERFORATED 200' OF 1" PVC VENT PIPE. INSTALLED
300' OF 1" PVC VENT PIPE. SLURRIED 51 SACKS OF COKE.
#23 MARKED 1 NOTCH. #64 MARKED 3 NOTCHES.

INSTALLED 60V 30A RECTIFIER.

All Construction Completed

W. Z. Lento
(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 # 23

53216.19

SAN JUAN 28-5' UNIT # 194

NE 28-5' 28-5'

1136W

54294.19

Static #23 600' DE = 0.73

Static #60 600' DE = 0.78

DRILLER SAID MAKING WATER
Between 30' & 100' started
drilled to 110' waited 2 hrs
blew water. started inj.
@ 110'.

Perforated 200' 4" PVC vent pipe
Installed 300' 4" PVC vent pipe
slurried 51 sacks of cement

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

100	1.8	500	1.6
	2.1		1.4 (3)
10	2.4	500	1.8
	2.5		2.2 - (2)
20	2.3	700	2.1 - (2)
	2.1		1.7 - (1)
30	2.2	800	1.6
	2.0		1.8
40	2.0	900	2.1
	1.8		2.0

50	1.0	300	1.5
	1.7 (10)	300	1.0
60	2.1	10	
	1.8 (9)		
70	1.8		

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

	2.3 (8)			① 275 - 2.1	3.0
20	2.0			② 265 - 2.8	4.4
	2.1			③ 255 - 1.8	2.9
30	1.8			④ 230 - 2.0	3.0
	2.0			⑤ 220 - 1.8	3.0
200	1.6 (1)			⑥ 210 - 1.8	3.1
	2.0			⑦ 200 - 2.0	3.5
10	1.5 (6)			⑧ 175 - 2.7	4.0
	1.4			⑨ 165 - 2.8	3.2
20	1.5 (5)			⑩ 155 - 2.3	3.9
	1.6				
30	1.8 (4)				
	1.1			15.3	AMPS
40	.9			11.1	VOLTS
	.8			0.73	OHMS

DAILY DRILLING REPORT

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE														
									1136 W Posey Drilling Co.						9-13-77 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.	

SIGNED: Toolpusher

____ Company Supervisor