

#24 30-039-07277
#71 30-039-20037

2764

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. 34 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #24, #71

cps 1140w

Elevation 6809' Completion Date 9/15/77 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. 110' - 120'

Depths gas encountered: N/A

Type & amount of coke breeze used: 31 SACKS

Depths anodes placed: 295', 285', 275', 260', 245', 235', 225', 215', 195', 185'

Depths vent pipes placed: 300'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT...
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-15-77

Well Name <u>SJ. 28-5 #24</u> <u>SJ. 28-5 #71</u>		Location <u>NE 34-28-5</u>		CPS No. <u>1140 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>40232-18-50-2</u> <u>184-54510-18-50-2</u>	
Anode Hole Depth <u>340'</u> <u>logged 338'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>31 Sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>295</u>	# 2 <u>285</u>	# 3 <u>275</u>	# 4 <u>260</u>	# 5 <u>245</u>	# 6 <u>235</u>
# 7 <u>225</u>	# 8 <u>215</u>	# 9 <u>195</u>	# 10 <u>185</u>		
Anode Output (Amps)					
# 1 <u>3.8</u>	# 2 <u>4.5</u>	# 3 <u>3.8</u>	# 4 <u>4.0</u>	# 5 <u>4.1</u>	# 6 <u>4.3</u>
# 7 <u>4.5</u>	# 8 <u>4.8</u>	# 9 <u>4.2</u>	# 10 <u>3.9</u>		
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 <u>12.0</u>	Amps <u>17.0</u>	Ohms <u>.71</u>		No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

Remarks: STATIC #24-600' S. = .78, #71-600' W. .72

DRILLER SAID HIT WATER 100' TO 120', NEXT A.M. BLEW WATER

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

SLURRIED 31 SACKS COKE

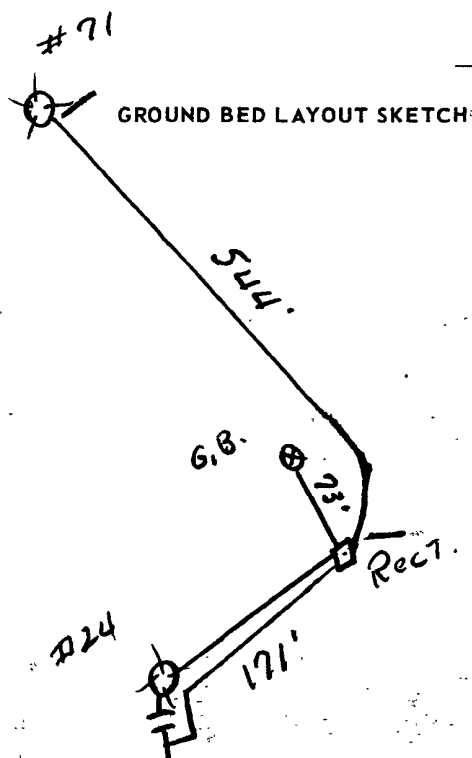
1 NOTCH = 28-5 #24, 3 NOTCHES = 28-5 #71

60V 30A RECT

STUB POLE

All Construction Completed

Willie Knight Jr.
(Signature)



DISTRIBUTION:

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

6809

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

SAN JUAN 28.5 # 24
SAN JUAN 28.5 # 71
NE 34- 28-5
CPS 1140 W

W/O 184-40232.19-50-20
W/O 184-54510.19-50-20

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

STATIC # 24- 600' S = .78		DRILLER SAID HIT WATER 100' TO 120'	
STATIC # 69- 600' W = .72		NEXT AM BLEW WATER	
60V 30A RECT		INSTALLED 300' OF 1" VENT PIPE	
STUB POLE		PERFORATED 200' OF VENT PIPE	
		SLURRIED 31 SACKS COKE	
100		2.0 ①	
10	1.5	30 1.9	
	1.5	40 2.0 ①	
20	1.6	40 2.1	
	1.6	2.0 ③	
30	1.5	50 2.0	
	1.4	60 1.8	
40	1.7	60 2.0 ④	
	1.6	70 1.2	
50	1.8	70 .6	
	1.9	80 1.8 ③	
60	1.7	80 2.1	
	1.8	1.9 ②	
70	1.8	90 1.7	
	1.5	1.7 ①	
80	1.6	300 1.3	
	2.0 ①	1.6	
90	2.3	10 1.8	
	2.1 ②	1.4	
		20 1.6	
200	1.5	1.4	① 295 2.1 3.8
	1.6	30 1.4	② 285 2.7 4.5
10	2.2	10 1.8	③ 275 2.3 3.8
	2.4 ③	40 T.D. 340	④ 260 2.4 4.0
20	2.1		⑤ 245 2.6 4.1
			⑥ 235 2.4 4.3
			⑦ 225 2.6 4.5
			⑧ 215 2.8 4.8
			⑨ 195 2.5 4.2
			⑩ 185 2.4 3.9
			12.0 VOLTS
			17.0 AMPS
			.71 OHMS

DAILY DRILLING REPORT

LEASE			WELL NO. 1140ud			CONTRACTOR Posey			RIG NO.			REPORT NO.			DATE Sept. 15 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.	
SER 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						
REMARKS -					REMARKS -					REMARKS -										
0-5 SURFACE					140-160 SANDY SHALE					330-340 SANDY SHALE										
5-25 SANDY CLAY					160-180 SHALE															
25-40 SANDY SHALE					180-200 SANDY SHALE					DRILLED 340 ft										
40-60 SHALE					200-230 SHALE					Logged 333										
60-80 SANDY SHALE					230-255 SANDY SHALE					TOTAL DEPTH 340 336										
80-100 SHALE (MAKING WATER)					255-270 SHALE															
100-120 SAND WET					270-300 SANDY SHALE															
120-140 SHALE					300-330 SHALE															

SIGNED: Toolpusher

____ Company Supervisor