

938, #46 30-039-07434
#121 30-039-08086
#448 30-039-24887

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 NE Sec 15 Twp 28 Rng 6

Name of Well/Wells or Pipeline Served SAN JUAN 28-6 UNIT #46, #121, #448

cps 1152w

Elevation 6693' Completion Date 8/26/77 Total Depth 480' 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. 290' - 305'

Depths gas encountered: N/A

Type & amount of coke breeze used: 63 SACKS

Depths anodes placed: 440', 430', 420', 410', 400', 375', 360', 335', 345', 335'

Depths vent pipes placed: 460'

Vent pipe perforations: 200'

Remarks: gb #1 → #46 #121 #448

gb #2 → #46 #121

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 2

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 8-26-72

Well Name <u>28-6 #46</u> <u>28-6 #121</u> #46		Location <u>NE15-28-6</u>		CPS No. <u>1152 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>184-48011.19-50-20</u> <u>184-54439.19-50-20</u>	
Anode Hole Depth <u>480</u>	Total Drilling Rig Time <u>465</u>	Total Lbs. Coke Used <u>63 Sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>440</u>	#2 <u>430</u>	#3 <u>420</u>	#4 <u>410</u>	#5 <u>400</u>	#6 <u>375</u>
#7 <u>365</u>	#8 <u>355</u>	#9 <u>345</u>	#10 <u>335</u>		
Anode Output (Amps)					
#1 <u>1.6</u>	#2 <u>2.0</u>	#3 <u>1.8</u>	#4 <u>1.8</u>	#5 <u>1.8</u>	#6 <u>1.5</u>
#7 <u>1.8</u>	#8 <u>2.0</u>	#9 <u>2.3</u>	#10 <u>2.1</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				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <u>11.7</u>	Amps <u>10.3</u>	Ohms <u>1.1</u>			

Remarks: STATIC 28-6 #46 600' SW = .70, 28-6 #121 600' W .70

DRILLER SAID HIT WATER AT 290' TO 305'

INSTALLED 460' VENT PIPE, PERFORATED 200' OF VENT PIPE

SERVED 63 SACKS OF COKE

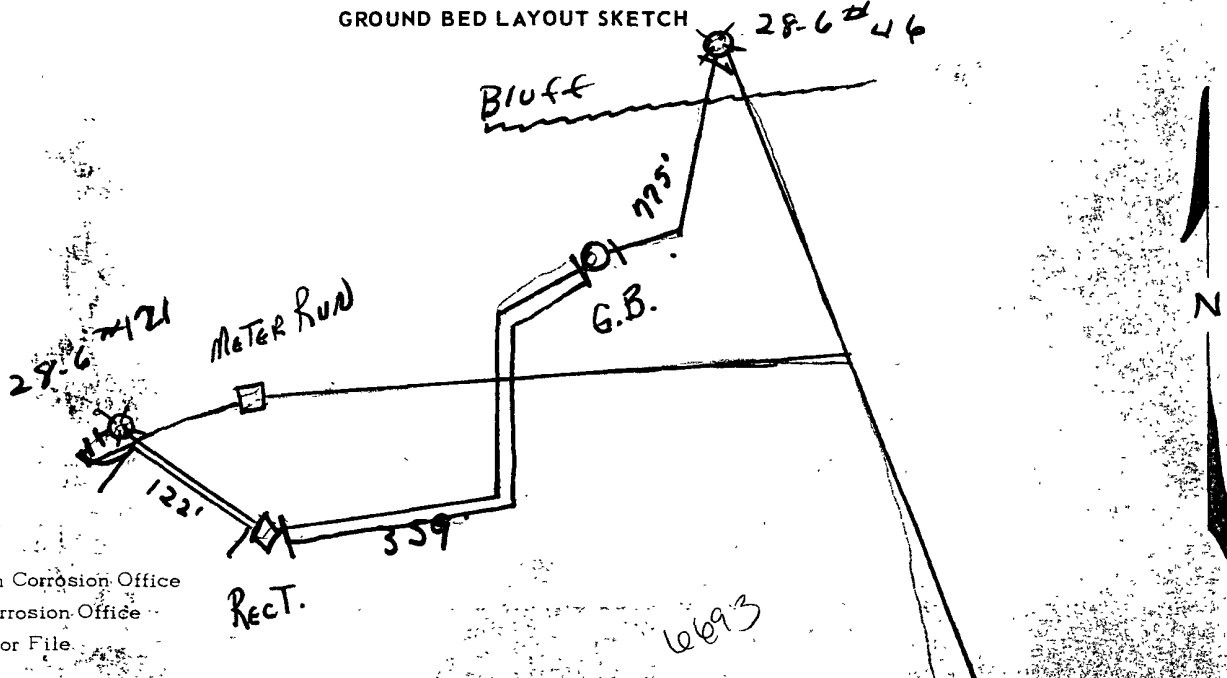
60V 30A RECT.

STUB POLE

All Construction Completed

Willis Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: _____ of _____
Date: _____
By: _____
File: _____SON JUAN 28-6 #46
SON JUAN 28-6 #71
NE 15-28-6
CPS 1152 WW/O 40011.19-50-20
W/O 54439.19-50-20

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	iC4	12.38
58.12	nC4	11.93
72.15	iC5	13.85
72.15	nC5	13.71
86.18	iC6	15.50
86.18	C6	15.57
100.21	iC7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2 ²	9.64
42.08	C3 ²	9.67

MW		MISC.	gals/mol
32.00	O2		3.37
28.01	CO		4.19
44.01	CO2		6.38
64.06	SO2		5.50
34.08	H2S		5.17
28.01	N2		4.16
2.02	H2		3.38

10542392

STATIC 28-6 #46 600' SW = 70		DRILLER SAID HIT WATER AT	
STATIC 28-6 #71 600' W = 70		290'-305'	
60V 30A Rect		Installed 460 1" VENT PIPE	
STUB Pole		Perforated 200 1" VENT PIPE	
		635 AKS COKE	
290	1.4	70	19
300	1.4	80	TD
10	1.2	logged 465	
20	1.9		
30	1.4		
40	1.7		
50	1.9		
60	1.7		
70	1.2	① 440	1.6 2.9
80	1.2	② 430	2.0 3.4
	1.3	③ 420	1.8 3.0
	1.0	④ 410	1.8 3.0
	1.0	⑤ 400	1.8 3.0
90	1.9	⑥ 375	1.5 2.4
100	1.3	⑦ 365	1.8 2.9
110	1.4	⑧ 355	2.0 3.1
120	1.5	⑨ 345	2.3 3.6
130	1.4	⑩ 335	2.1 3.4
140	1.5		
150	1.5	11.7 VOLTS	
160	1.6	10.3 AMPS	
170	1.6	1.1 OHMS	
180	1.7		
190	1.5		
200	1.2		
210	1.0		
220	1.0		
230	1.9		

DAILY DRILLING REPORT

LEASE 1152 W WELL NO. _____ CONTRACTOR POSEY RIG NO. _____ REPORT NO. _____ DATE 8-26 1977

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller <u>Bob Posey</u>		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 -
0-4 SURFACE	130-140 SHALE	280-290 SHALE
4-20 CLAY SANDY	140-160 SANDSTONE	290-305 SAND WET
20-40 SHALE	160-165 SHALE	305-330 SHALE (MAKING WATER)
40-50 SANDY SHALE	165-180 SAND WET	330-350 SANDY SHALE
50-70 SHALE	180-200 SHALE	350-380 SHALE
70-90 HARD SHALE	200-240 SANDY SHALE	380-390 SANDY SHALE
90-120 SHALE	240-260 SHALE	390-410 SHALE
120-130 SANDSTONE	260-280 SANDY SHALE	410-430 SANDY SHALE
		430-450 SHALE
		450-460 SANDY SHALE

SIGNED: Toolpusher _____

Company Supervisor _____