

#18 30-039-07445

E

470

#96E 30-039-23864

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. 11 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #18, #96E
cps 1110w

Elevation 6971' Completion Date 9/30/77 Total Depth 630' 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. 395' - 408'

Depths gas encountered: N/A

Type & amount of coke breeze used: 85 SACKS

Depths anodes placed: 550', 540', 530', 520', 510', 500', 490', 480', 425', 415'

Depths vent pipes placed: 560' OF 1" PVC VENT PIPE

Vent pipe perforations: 250'

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 9-30-77

Well Name SAN JUAN 28-5 UNIT #18		Location SW 11-28-5		CPS No. 1110 W	
Type & Size Bit Used 6 3/4"				Work Order No. 53214.19	
Anode Hole Depth 630 Logged 618	Total Drilling Rig Time	Total Lbs. Coke Used 85	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 550	# 2 540	# 3 530	# 4 520	# 5 510	# 6 500
# 7 490	# 8 480	# 9 425	# 10 415		
Anode Output (Amps)					
# 1 3.6	# 2 4.3	# 3 4.2	# 4 3.9	# 5 2.8	# 6 2.4
# 7 2.4	# 8 2.8	# 9 2.3	# 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 11.2	Amps 9.4	Ohms 1.2			

Remarks: Static 600' N = 0.70. Driller said MAKING WATER between 395' & 408'. Drilled to 420' & Blew WATER. Started Inj. @ 420. Perforated 250' of 1" PVC Vent Pipe. Installed 560' of 1" PVC Vent Pipe slurred 85 SACKS of COKE.

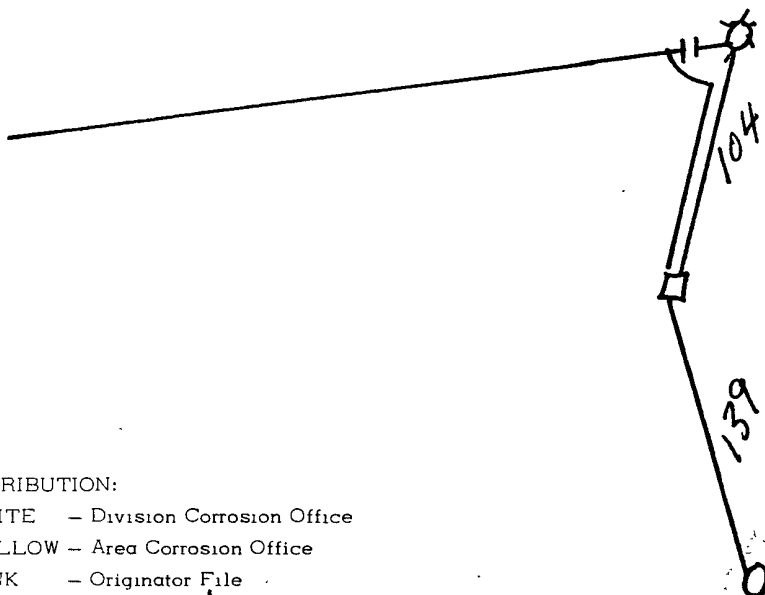
Installed 40V 16A Rectifier & stub Pole.

All Construction Completed

W. J. Louth

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6971

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

SAN JUAN 28-5 UNIT #18 SW11-28-5 1110 W 53214.19

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 600' W = 3.70

HOU 16 A Rectifier

Stub Pole

DRILLER SAID MAKING WATER @ 400'

Blow water

Perforated 250' of 1" PVC Vent Pipe

Installed 560' of 1" PVC Vent Pipe

Shipped 85 sacks of coke

400 .3	60 .2
.5	.2
10 1.3 -	40 .6
1.4	.6
20 1.3 -	80 .3
1.2	.2
30 1.0	90 .9
.2	.7
40 .3	600 .5
.3	.9
50 .3	10 1.0
.4	.9
60 .7	610 .9 + D
.6	
70 .8	30
1.3 -	
80 1.4	
1.3 -	
90 1.2	
1.2 -	
500 1.1	
1.0 -	
10 1.0	
.9	
20 1.0	
1.3 -	
30 1.4	
1.5 -	
40 1.5	
1.6 -	
50 1.4	
.8	

① 550	1.5	3.6
② 540	1.8	4.3
③ 530	1.6	4.2
④ 520	1.5	3.9
⑤ 510	1.0	2.8
⑥ 500	1.1	2.4
⑦ 490	1.2	2.4
⑧ 480	1.3	2.8
⑨ 425	1.2	2.3
⑩ 415	1.6	3.2

11.2 VOLTS
9.4 AMPS
1.2 OHMS

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

GROUP 24

Drilling Log (Attach Hereto). ☐

Completion Date 9-13-77

Well Name S.J. 28-5 #18		Location SW11-28-5		CPS No. 1110 W	
Type & Size Bit Used				Work Order No. 53214.19	
Anode Hole Depth		Total Drilling Rig Time		Total Lbs. Coke Used	
Anode Depth		Total Drilling Rig Time		Lost Circulation Mat'l Used	
Anode Output (Amps)		Total Drilling Rig Time		No. Sacks Mud Used	
# 1	# 2	# 3	# 4	# 5	# 6
# 1	# 2	# 3	# 4	# 5	# 6
# 11	# 12	# 13	# 14	# 15	# 16
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts		Amps		Ohms	

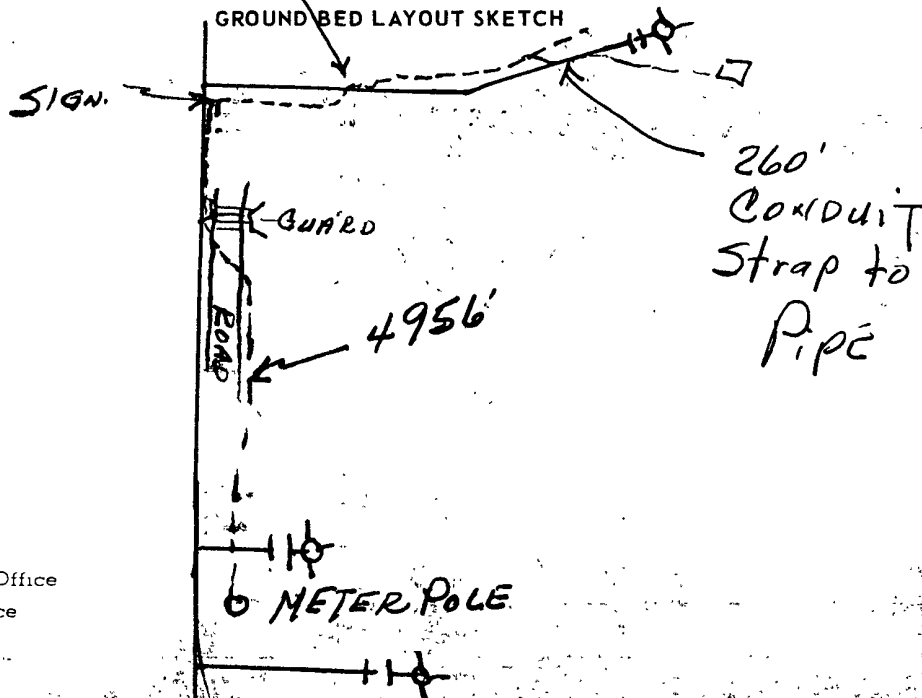
Remarks: Bury A.C. CABLE, METER POLE TO RECT ON
LOC. at S.J. 28-5 #18

50' CONDUIT
STRAP TO PIPE

All Construction Completed

Arach
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
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DAILY DRILLING REPORT

LEASE					WELL NO. <u>1110W</u>					CONTRACTOR <u>Posey</u>					RIG NO.					REPORT NO.					DATE <u>9-30-77</u> 19									
MORNING										DAYLIGHT										EVENING														
Driller					Total Men In Crew					Driller <u>Albert L. 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.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.										
					TD 624 ft																													
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.			Time	Wt.	Vis.			Time	Wt.	Vis.												
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN																						
0	8	Surface			120	132	Sand Wet			285	355	Shale																						
8	35	Shale			132	195	Shale			355	367	Sand Wet																						
35	60	Sandstone			195	230	Shale Sandy			367	385	Sandy shale																						
60	68	Sand Wet			230	255	Shale			385	395	Shale																						
68	89	Shale			255	267	Sand Dry			395	408	Sand Wet MU																						
89	120	Sandy shale			267	285	Sand Wet			408	475	Shale																						
REMARKS -					REMARKS -					REMARKS -																								
					Drilled 630 ft					475 - 498 Sandy shale																								
					Logged 356 618 ft					498 - 560 Red shale																								
					making Water 395 - 408 ft					560 - 578 Sandy shale																								
					injected 420 ft					578 - 595 Shale																								
										595 - 630 Shale Sandy																								

SIGNED: Toolpusher

Company Supervisor