888 #15 30-039-07452 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 SW Sec. 10 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #15

cps 1146w

Elevation 6702' Completion Date 6/30/77 Total Depth 411' 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. 195'

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

Depths gas encountered: N/A VENT MAKING GAS.

Type & amount of coke breeze used: 50 SACKS

Depths anodes placed: 375', 365', 355', 345', 280', 270', 255', 230', 220', 210'

Depths vent pipes placed: 380'

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 6-30-77

Well Name	Location	CPS No.
SJ 28-6 # 15	SW 10-28-6	1146W
Type & Size Bit Used		**Work Order No.**
6 3/4		52524

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
411		50 Sacks	—	—

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
Anode Depth	375	365	355	345	280	270	255	230	220	210
Anode Output (Amps)	3.2	3.7	3.2	3.3	3.6	4.1	3.2	3.0	5.0	4.6

	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Depth										
Anode Output (Amps)										

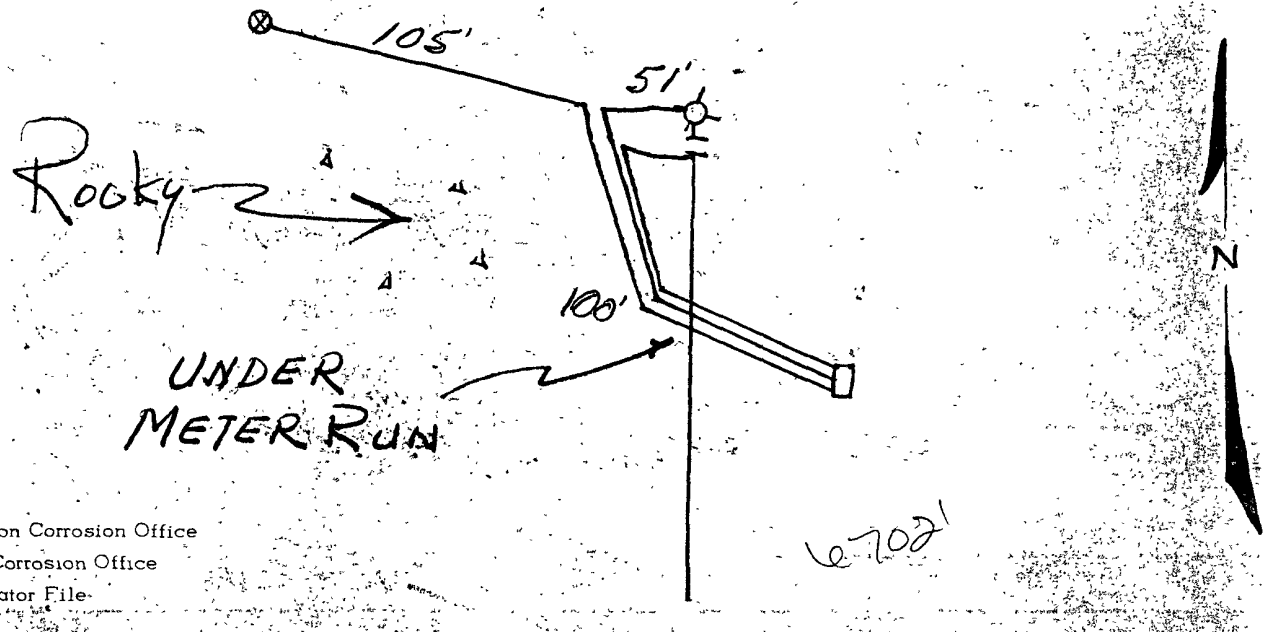
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.4	Amps 18.0	Ohms 0.63		

Remarks: STATIC R600'N 0.97 - DRILL TO 240' WATER NEXT A.M.
AT 195' - DRILLER SAID MAKING WATER AT 195'
DRILL TO 340 & LOG - NOT ENOUGH - DRILL TO 420'
VENT TO 380, PERFORATED 200'
SLURRY 50 SACKS COKE
VENT MAKING GAS

All Construction Completed

Daniels
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:
WHITE — Division Corrosion Office
YELLOW — Area Corrosion Office
PINK — Originator File

6702

Form 7-1 (Rev. 8-75)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: ____ of ____
Date: ____
By: ____
File: ____

1146W

190	.9	.8			DRILL TO 240			
	1.0	1.3			WATER NEXT AM AT 195			
200	1.6	1.7						
	1.6	1.2						
10	1.5	1.4						
	2.0	1.6						
20	2.0	1.5						
	1.9	1.4						
30	1.4	1.3						
	1.3	1.2						
40	1.1	1.1						
	1.2	1.2						
50	1.4	1.3				TO 380		
	1.3	1.3			VENT PERF 200'			
60	1.0	.9						
	1.0	1.1			50 COKE			
70	1.4	1.3						
80	1.8	1.6						
	1.6	1.4						
	1.4	1.3						
90	1.4	1.2			1 375	2.00	3.2	
	.7	.6			2 365	2.3	3.7	
300	.6	.4			3 355	1.9	3.2	
	.1	.2			4 345	1.9	3.3	
10	.2	.4			5 280	2.6	3.6	
	.9	1.1			6 270	2.5	4.1	
20	1.2	9			7 255	1.9	3.2	
	.4	5			8 230	2.1	3.0	
30	.5	5			9 220	3.1	5.0	
	.3	4			10 210	2.5	4.6	
40	.3	.5						
		1.3						
50		1.2		190	11.42	180A	-0.63Ω	
		1.3			10 20			
60		1.1			200			
		1.4			5			
70		1.5						
		1.3						
80		1.3						
		1.2						
90		1.2						
		1.3						
400		1.5						
		1.2						
10		411 T.D.						

15
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

MISC.

MW		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_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE WELL NO. 1146W CONTRACTOR OBRIANT RIG NO. REPORT NO. DATE JUNE 30th 1977

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	65	SANDSTONE VERY DAMP		
65	75	SHALE DRY		
75	80	SANDSTONE		
80	85	SANDY SHALE DRY		
85	102	SANDSTONE		

SIZE LENG.

BIT NO. NO. DC SIZE LENG.

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
102	110	SHALE		
110	115	SANDY SHALE		
115	195	SANDSTONE WET @ 195		
195	230	SANDY SHALE		
230	270	SANDSTONE		

SIZE LENG.

BIT NO. NO. DC SIZE LENG.

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
		6 3/4 HOLE
		DRILLED TO 420
		LOGGED TO 411
		WATER @ 195

REMARKS –

OBriant

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
270	290	SANDY SHALE		
290	320	SANDSTONE		
320	330	SHALE		
330	355	SANDSTONE W/SHALE STREAKS		
355	420	SANDY SHALE		

SIZE LENG.

BIT NO. NO. DC SIZE LENG.

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Company Supervisor