1127

#28 30-039-06859 E

#127 30-039-20378

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. 25 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #28, #127

cps 1754w

Elevation 6665' Completion Date 10/9/85 Total Depth 300' 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. 60' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3800 lbs.

Depths anodes placed: 260', 250', 240', 210', 190', 125', 116', 107', 98', 89'

Depths vent pipes placed: 292'

Vent pipe perforations: 240'

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.

FM 07-0238 (Rev. 6-82)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto). ☐ Completion Date 10/9/85

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins Union Check
1754 W	S.J. 27-5 #28 S.J. 27-5 #127	53369. 54875.	.75 V N .76 V W	☒ Good ☐ Bad

Location	Anode Size	Anode Type	Size Bit
SW 25-27-5	2" x 60"	DURION	6 3/4"

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Coke Used	Lost Circulation Mat'l Used	No Sacks Mud Used
300'	292'		3800		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	260	250	240	210	190	125	116	107	98	89
Anode Output (Amps)	4.1	4.1	5.0	3.2	2.4	4.4	3.2	4.3	3.0	4.1
Anode Depth	80	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)	3.2	#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 11.3	Amps 22.2	Ohms .5		

Remarks: Driller said water at 60'. Drilled to 300', logged 292'. Installed 292' of 1" P.V.C. vent pipe, perforated to 52'. Covered 4 anodes with coke breeze, and hole started filling with sand above #5 anode. Hole was bridged at 130'. #5 anode did not get coke breeze around it, so we installed #11 anode, to have 10 anodes covered with coke breeze in hole.

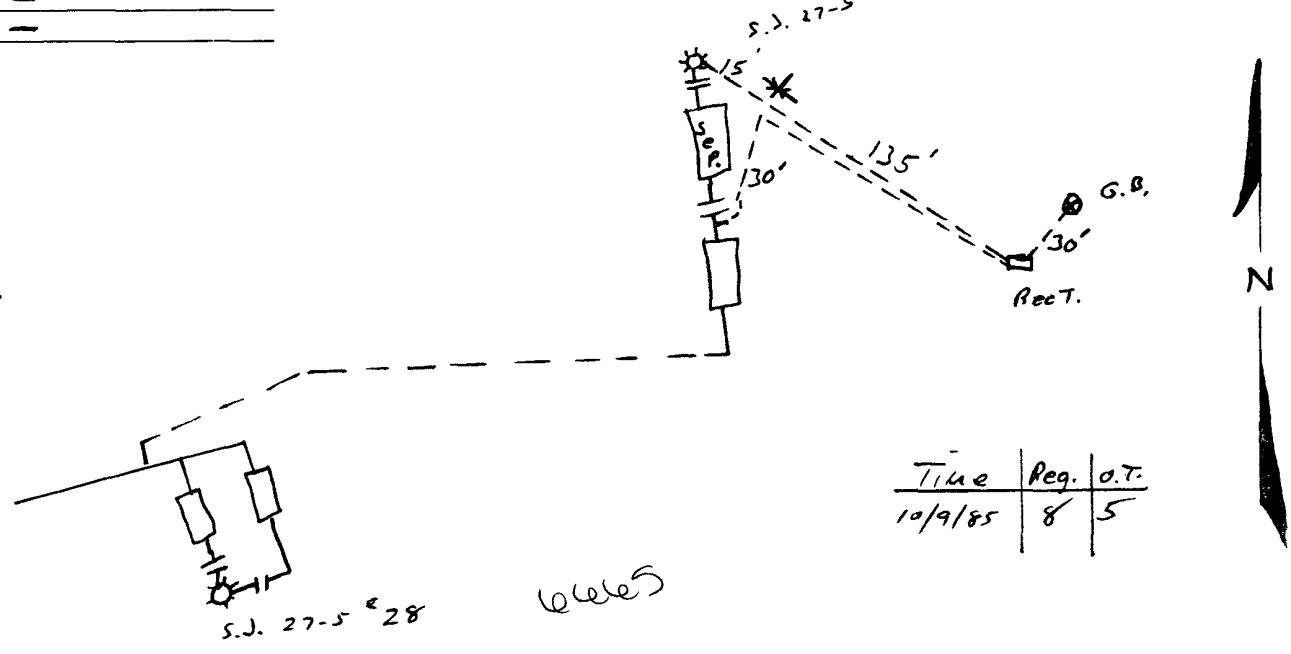
Rectifier Size: 60 V 30 A
Addn'l Depth —
Depth Credit: 208' x #3.00 = 624.00
Extra Cable: 165 x 0.37 = 61.05
Ditch & 1 Cable: 210' x 1.35 = 283.50
25' Meter Pole: 1
20' Meter Pole: —
10' Stub Pole: —

4740.00
- 624.00
61.05
283.50
1150.00
550.00
300.00
$6460.55

All Construction Completed

J E Stotts
(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.
10/9/85	8	5

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

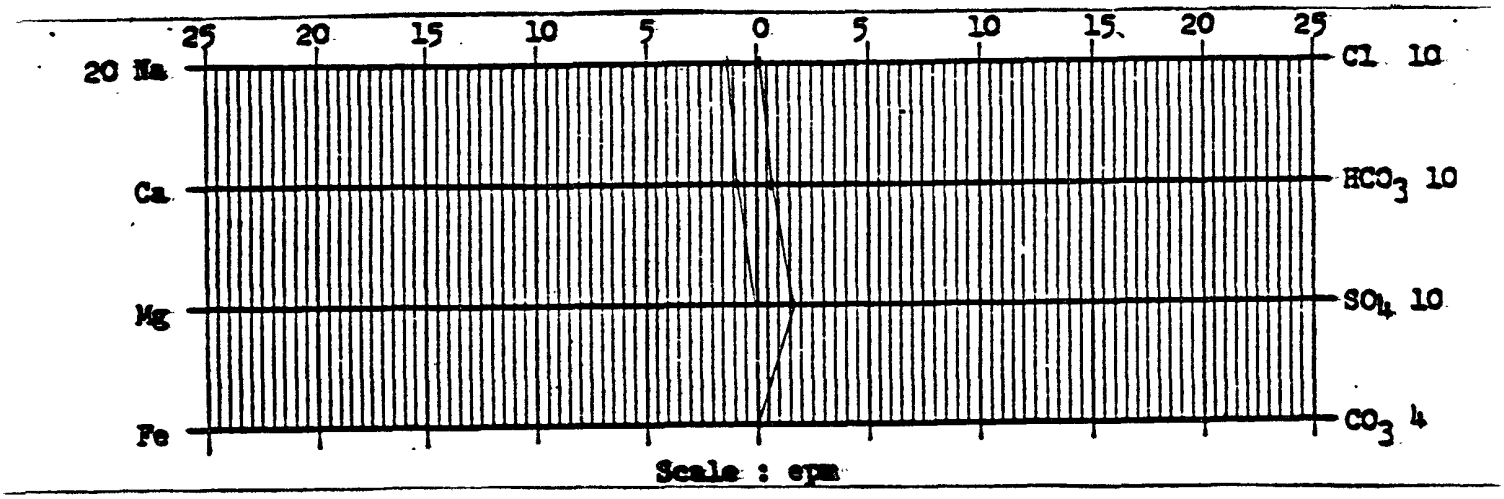
ANALYSIS NO.: 1-11808 DATE: NOVEMBER 22, 1985
OPERATOR: MERIDIAN OIL WELL NAME: SAN JUAN 27-5 #127 CPS 1754
LOCATION: L 25-27-5 COUNTY RIO ARRIBA STATE: NM
FIELD: GOBERNADOR FORMATION: SURFACE
SAMPLED FROM: GROUND BED AT 60 FEET
DATE SAMPLED: OCTOBER 9, 1985 SECURED BY: JOE STOTTS
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO3	AS ION	epm
TOTAL ALKALINITY	50	21.5	430		
P ALKALINITY	50	0	0		
BICARBONATE	50	21.5	430	525	8.60
CARBONATE	50	0	0	0	0.00
CHLORIDE	50	1.2		24	0.68
SULFATE				769	16.00
TOTAL HARDNESS	50	2.3	46		
CALCIUM	50	2.3	46	18	0.92
MAGNESIUM	50	0	0	0	0.00
IRON					
SODIUM (CALCULATED)				560	24.36
H2S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1582	
pH				8.07	
SPECIFIC GRAVITY			1.0061 AT 60F		
RESISTIVITY			417 OHM-CM AT 71		
CONDUCTIVITY			2400 MICROMHOS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

cc: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
W. F. LORETT
J. L. WILLIAMS
G. C. KARDOS

DENNIS BIRD
CHEMIST GCK



EL PASO NATURAL GAS COMPANY

CONSTRUCTION LOGGING READINGS

S.J. 27-5 #28

CPS #: 1754 W WELL NAME: S.J 27-5 #127 LOCATION: SW 25-27-5 DATE: 10/9/85

TOTAL VOLTS: 11.3 TOTAL AMPS: 22.2 OHMS RESISTANCE: .5

DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE No.	DEEP	LOG ANODE	ANODE No.
5			185	1.6		365			545		
10			190	2.9	- ⑤	370			550		
15			195	3.0		375			555		
20			200	2.4	- ④	380			560		
25			205	2.3		385			565		
30			210	2.6	- ⑪	390			570		
35			215	2.4		395			575		
40			220	1.7		400			580		
45			225	1.0		405			585		
50			230	.9		410			590		
55			235	2.0		415			595		
60			240	3.0	- ③	420			600		
65			245	3.0	-	425			605		
70			250	3.1	- ②	430			610		
75			255	3.1	-	435			615		
80	1.7	- ①	260	2.7	- ⑩	440			620		
85	1.9	- ⑩	265	2.6	-	445			625		
90	2.0		270	2.6		450			630		
95	1.7	- ⑨	275	2.1		455			635		
100	1.8		280	1.6		460			640		
105	2.3	- ⑧	285	1.1		465			645		
110	2.4	- ⑫	290	2.92	T.D	470			650		
115	1.7	- ⑦	295			475			655		
120	1.9		300			480			660		
125	2.5	- ⑥	305			485			665		
130	2.5	- ⑫	310			490			670		
135	2.1		315			495			675		
140	2.3		320			500			680		
145	2.9	- ⑫	325			505			685		
150	3.0	- ⑫	330			510			690		
155	2.3	- ⑫	335			515			695		
160	2.2		340			520			700		
165	2.4	- ⑫	345			525			705		
170	1.7		350			530			710		
175	1.2		355			535			715		
180	1.2		360			540			720		

ANODE READINGS

NO.	DEPTH	NO COKE	WITH COKE
1	260	2.8	4.1
2	250	3.1	4.1
3	240	3.1	5.0
4	210	2.5	3.2
5	190	2.4	2.4
6	1,25	2.8	4.4
7	1,10	2.1	3.2
8	1.07	2.4	4.3
9	98	2.3	3.0
10	89	3.0	4.1
11	80	2.3	3.2

REMARKS: Driller said water at 60', Drilled to 300', Logged 292. Installed 292 of 1" P.V.C. vent pipe perforated to 52'. Covered 4 Anodes with coke, and hole started filling with sand, above #5 Anode. Hole Bridged to 130, #5 Anode did not get coke breeze around it, so we installed #11 Anode, to have 10 Anodes covered with coke breeze in hole.

Form 22-2 (Rev. 5-79)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

S.J. 29-5 #127

LEASE S.J. 29-5 #28 WELL NO. #28 - #127 CONTRACTOR RIG NO. REPORT NO. DATE 10/9/85 19

MORNING					DAYLIGHT					EVENING				
Driller Tim C. Riffel 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.

O.	NO. DC SIZE LENG.		NO. DC SIZE LENG.		NO. DC SIZE LENG.
	NO. DC SIZE LENG.	BIT NO.	NO. DC SIZE LENG.	BIT NO.	NO. DC SIZE LENG.
SERIAL 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 –

0-40 SAND / BROWN SANDY SHALE
50-60 WATER SAND ((WATER))
60-120 BLUE SHALE
120-180 SAND STONE
180-220 BLUE SHALE
220-240 SANDY BLUE SHALE
240-300 BLUE SHALE
300 FT DRILLED
292 FT T.D.

REMARKS –

REMARKS –

SIGNED: Toolpusher Tim C Riffel Company Supervisor