

1133

#41 30-039-06979 E

#125 30-039-20387

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. 21 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #41, #125

cps 1749w

Elevation 6503' Completion Date 10/9/84 Total Depth 260' 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. 70' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3200 lbs.

Depths anodes placed: 210', 165', 155', 145', 135', 120', 110', 100', 90', 80'

Depths vent pipes placed: 240'

Vent pipe perforations: 200'

Remarks: gb #1

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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 10/9/84

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1749 W	S.J. 27-5 # 41	53700-19-50-20	.67 V	☒ Good ☐ Bad
	S.J. 27-5 # 125	54804-19-50-20	.72 V	
Location	Anode Size	Anode Type	Size Bit	
SW 21-27-5	2" x 60"	Durium	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
260'	249'		3200 LB.	
Anode Depth				
# 1 210	# 2 165	# 3 155	# 4 145	# 5 135
# 6 120	# 7 110	# 8 100	# 9 90	# 10 80
Anode Output (Amps)				
# 1 3.5	# 2 3.6	# 3 3.5	# 4 4.3	# 5 3.1
# 6 3.8	# 7 3.3	# 8 3.8	# 9 5.2	# 10 5.4
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 12.1	Amps 19.8	Ohms .6		

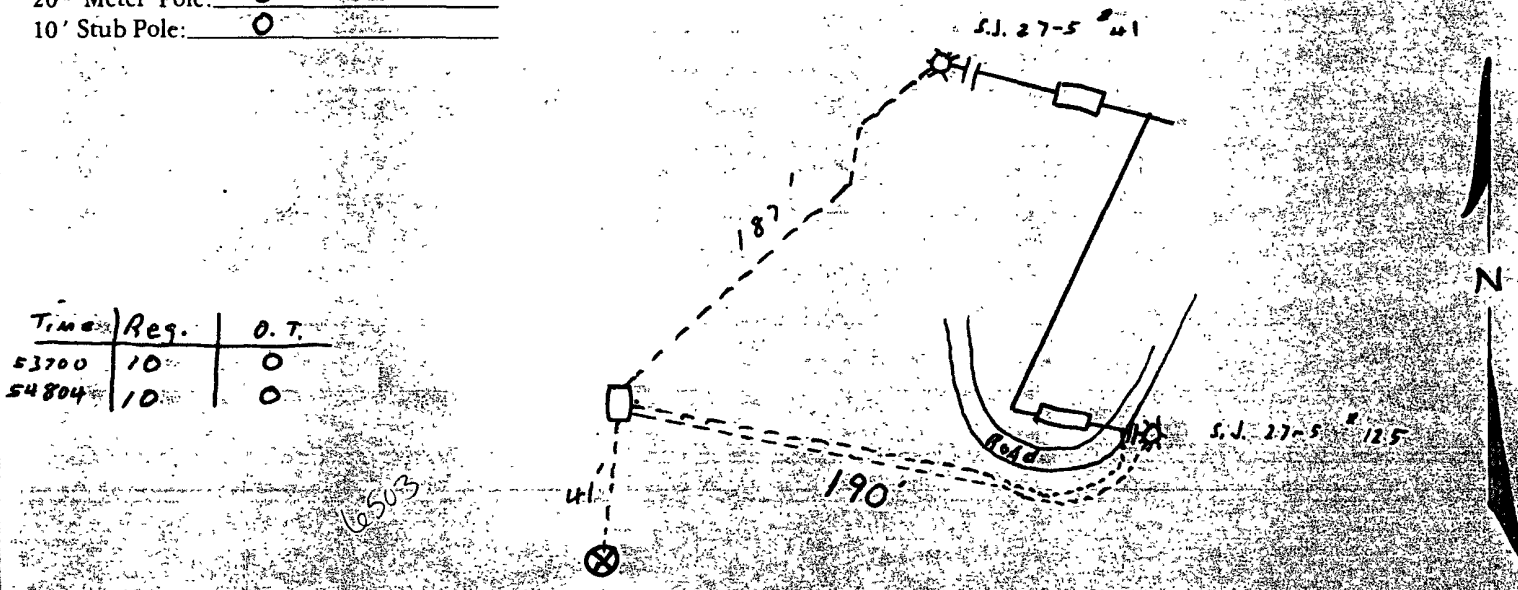
Remarks: Driller said water at 70'. Approx. 2 gal/min. Drilled to 80', Took water sample. Water standing in hole about 5 days later at 70'. Drilled to 260'. Water standing in hole next AM at 70'. Logged 249'. Installed 249' of 1" P.V.C. vent pipe perforated 200'.

Rectifier Size: 60 V 30 A ✓
 Addn'l Depth:
 Depth Credit: 251' ✓
 Extra Cable: 210 ✓
 Ditch & 1 Cable: 418 ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: 0 ✓
 10' Stub Pole: 0 ✓

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



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

ANALYSIS NO.: 1-11464
OPERATOR: EL PASO NATURAL GAS
LOCATION: 21-27-5
FIELD: BLANCO
SAMPLED FROM: 70 FEET
DATE SAMPLED: OCTOBER 8, 1984
TUBING PRESSURE:
SURFACE CASING PRESSURE:

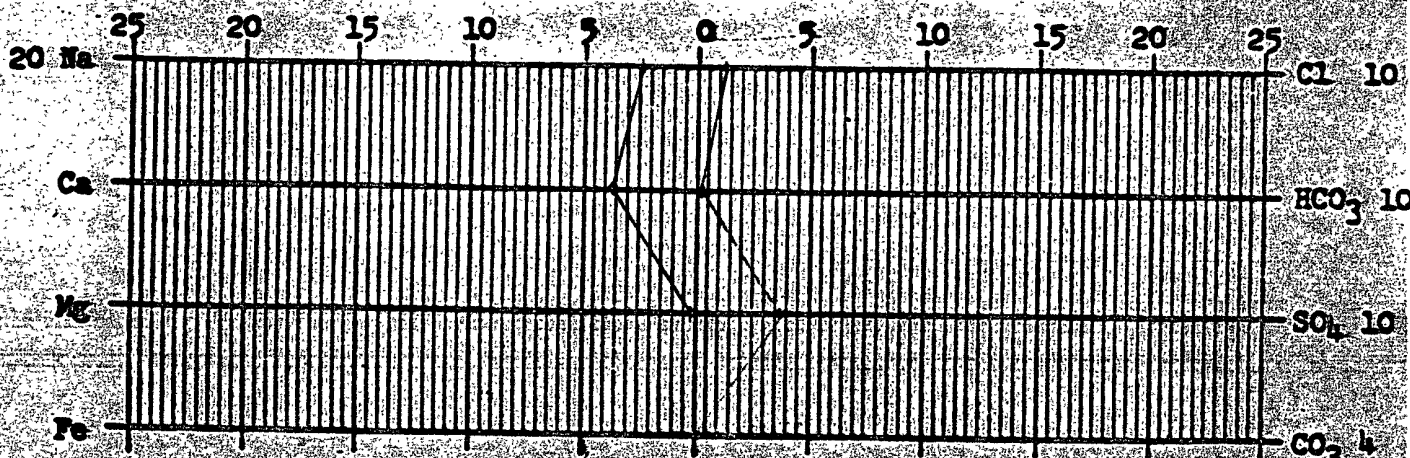
DATE: OCTOBER 15, 1984
WELL NAME: SAN JUAN 27-5 #125 GFS
COUNTY: RIO ARriba STATE: NEW MEXICO
FORMATION:
SECURED BY: JOE STOTTS
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS TON	epm
TOTAL ALKALINITY	50	5.3	106		
P ALKALINITY	50	0	0		
BICARBONATE	50	5.3	106	129	2.
CARBONATE	50	0	0	0	0.
CHLORIDE	50	23.2		464	13.
SULFATE				1810	37.
TOTAL HARDNESS	50	9.1	182		
CALCIUM	50	8.8	176	70	3.
MAGNESIUM	50	.3	6	1	0.
IRON					
SODIUM (CALCULATED)				1132	49.
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				3928	
pH				7.3	
SPECIFIC GRAVITY			1.0035 AT 60F		
RESISTIVITY			164 OHM-CM AT 70		
CONDUCTIVITY			6100 MICROMHOS @ 25C		

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

CC: R. A. MULLRICH
J. D. EVANS
D. C. ADAMS
E. R. PAULEY
W. B. SHROPSHIRE
FILE

Dennis Bird
CHEMIST GCK



EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

S.J. 27-5 #41
CPS #: 1749W WELL NAME: S.J. 27-5 #125 LOCATION: 5421-27-5 DATE: 10/9/84
TOTAL VOLTS: 12.1 V TOTAL AMPS: 19.8 A OHMS RESISTANCE: .6

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
	ANODE	NO.		ANODE	NO.		ANODE	NO.		ANODE	NO.			COKE	COKE
5			185	1.4		365			545			1	210	2.0	3.5
10			190	1.4		370			550			2	165	2.1	3.6
15			195	1.2		375			555			3	155	2.0	3.5
20			200	1.0		380			560			4	145	2.4	4.3
25			205	1.0		385			565			5	135	1.9	3.1
30			210	1.7 + 1		390			570			6	120	2.3	3.8
35			215	1.4		395			575			7	110	1.9	3.3
40			220	.8		400			580			8	100	2.3	3.8
45			225	.6		405			585			9	90	2.8	5.2
50			230	1.4		410			590			10	80	2.9	5.4
55			235	1.4		415			595						
60			240	1.4		420			600						
65			245	249' T.D.		425			605						
70			250			430			610						
75	2.1		255			435			615						
80	2.4 + 10		260			440			620						
85	2.5		265			445			625						
90	2.4 + 9		270			450			630						
95	2.1		275			455			635						
100	1.8 + 8		280			460			640						
105	1.4		285			465			645						
110	1.7 + 7		290			470			650						
115	1.6		295			475			655						
120	2.1 + 6		300			480			660						
125	1.8		305			485			665						
130	1.5		310			490			670						
135	1.6 + 5		315			495			675						
140	1.5		320			500			680						
145	2.1 + 4		325			505			685						
150	2.2		330			510			690						
155	1.7 + 3		335			515			695						
160	1.4		340			520			700						
165	1.8 + 2		345			525			705						
170	1.7		350			530			710						
175	1.3		355			535			715						
180	1.3		360			540			720						

REMARKS: Driller said WATER AT 70', Approx. 2 gal./min. Drilled To 80'. Took WATER SAMPLE. WATER STANDING IN HOLE 5 DAYS LATER AT 70'. Drilled To 260'. WATER STANDING IN HOLE NEXT A.M. AT 70'. Logged 249'. Installed 249' 1" P.V.C. VENT PIPE Perforated 200'.

[illegible]

SIGNED: Toolpusher

Company Supervisor