

1153

#4 30-039-06929

#140 30-039-20457

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

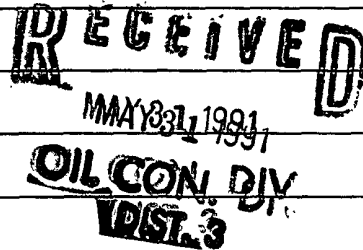
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 29 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #4, #140

cps 176lw

Elevation 6458' Completion Date 10/2/85 Total Depth 400' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 120' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 370', 355', 315', 285', 265', 245', 225', 205', 165'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: 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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐Completion Date 10/2/85

CPS #		Well Name, Line or Plant		Work Order #		Static		Ins Union Check	
1761W		27-5 #4		52381		.72		☒ Good ☐ Bad	
		27-5 #140		54976		.74			
Location		Anode Size		Anode Type		Size Bit			
NE 29-27-5		2" x 60"		DURIRON		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs Goke Used		Lost Circulation Mat'l Used	
400'		400'							
Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)			
# 1	370	# 2	355	# 3	335	# 4	315	# 5	285
# 6	265	# 7	245	# 8	225	# 9	205	# 10	165
# 1	1.9	# 2	4.0	# 3	5.1	# 4	3.6	# 5	3.1
# 6	3.3	# 7	2.4	# 8	4.7	# 9	3.8	# 10	4.7
# 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 12.5		Amps 18.5		Ohms 167					

Remarks: Dump at 50' Wet at 120' set 30 min. Flow sample started injecting at 120'

Rectifier Size: 60 V 30 A
 Addn'l Depth: _____
 Depth Credit: -100' x 3.00 = 300.00
 Extra Cable: 140' x 0.37 = 51.80
 Ditch & 1 Cable: 150' x 1.35 = 202.50
 25' Meter Pole: 1 - 550.00
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

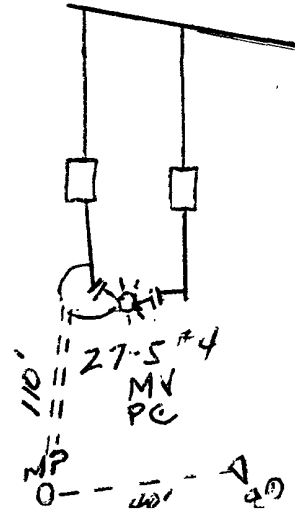
BT

(Signature)

GROUND BED LAYOUT SKETCH

4740.00
 - 300.00
 51.80
 202.50
 550.00
 1150.00
 300.00
 6694.30

6498

EYE
ROLT

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

ANALYSIS NO.: 1-11791 DATE: NOVEMBER 5, 1985
OPERATOR: MERIDIAN OIL WELL NAME: SJ 27-5 #4 CPS #1761W
LOCATION: NE 29-27-5 COUNTY: RIO ARriba STATE: NM
FIELD: FORMATION: SURFACE WATER
SAMPLED FROM: GROUND BED
DATE SAMPLED: OCTOBER 3, 1985 SECURED BY: BILL TATUM
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO3	AS ION	epm
TOTAL ALKALINITY	25	7.8	312		
P ALKALINITY	25	0	0		
BICARBONATE	25	7.8	312	381	6.24
CARBONATE	25	0	0	0	0.00
CHLORIDE	50	1		20	0.56
SULFATE				952	19.80
TOTAL HARDNESS	50	3	60		
CALCIUM	50	3	60	24	1.20
MAGNESIUM	50	0	0	0	0.00
IRON				ABSENT	
SODIUM (CALCULATED)				584	25.41
H2S				ABSENT	
HYDROCARBONS				ABSENT	
TOTAL DISSOLVED SOLIDS				1650	
pH				8.1	
SPECIFIC GRAVITY			1.0044 AT 60F		
RESISTIVITY			400 OHM-CM AT		
CONDUCTIVITY			2500 MICROMHOS @ 25C.		

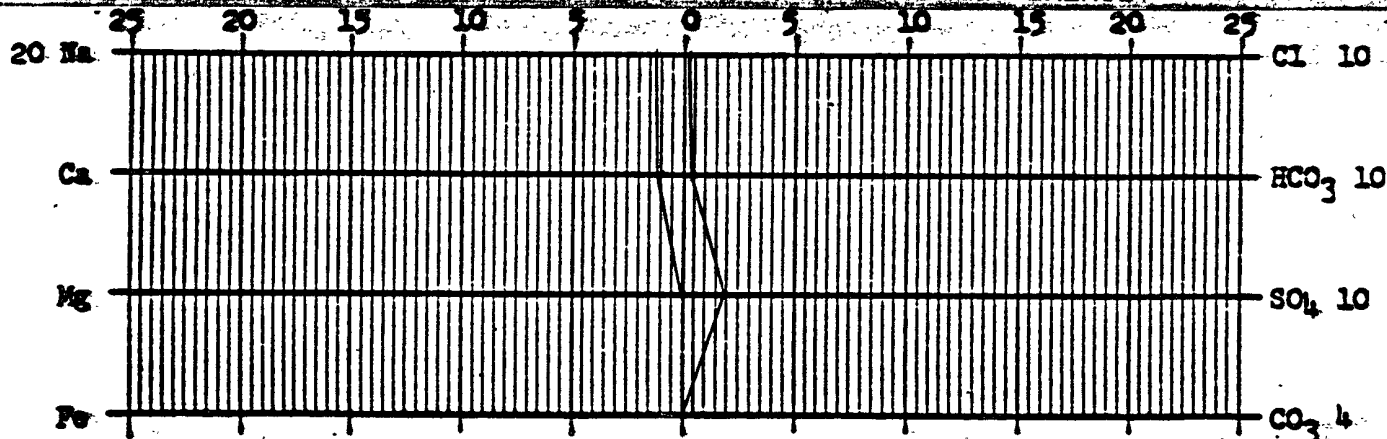
ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

CC: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
W. F. LORETT

J. E. WILLIAMS
G. C. KARDOS
FILE

SANDRA ARAGON

CHEMIST



Scale : ppm

EL PASO NATURAL GAS COMPANY
CORRUPTION LOGGING READINGS

CPS #: 1761W WELL NAME: 27-5 #4 LOCATION: NE 29-27-5 DATE: 10/2/85
TOTAL VOLTS: 12.5 TOTAL AMPS: 18.5 OHMS RESISTANCE: .67

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.			COKE	COKE
5			185	1.1		365	1.2		545			1	370	1.1	1.9
10			190	.8		370	1.1	1	550			2	355	2.1	4.0
15			195	.7		375	1.0		555			3	335	3.0	5.1
20			200	.9		380	.8		560			4	315	2.0	3.6
25			205	1.2	9	385	.6		565			5	285	1.8	3.1
30			210	2.3		390	.6		570			6	265	2.3	3.3
35			215	2.5		395	.6		575			7	245	1.4	2.4
40			220	2.7		400	—		580			8	225	2.9	4.7
45			225	2.9	8	405			585			9	205	2.3	3.8
50			230	2.1		410			590			10	165	2.7	4.7
55			235	1.5		415			595						
60			240	1.2		420			600						
65			245	1.8	7	425			605						
70			250	1.7		430			610						
75			255	2.1		435			615						
80			260	2.3		440			620						
85			265	2.4	6	445			625						
90			270	1.8		450			630						
95			275	2.1		455			635						
100			280	2.4		460			640						
105			285	1.8	5	465			645						
110			290	1.7		470			650						
115			295	.7		475			655						
120	420		300	1.9		480			660						
125			305	1.5		485			665						
130			310	1.6		490			670						
135			315	2.0	4	495			675						
140			320	2.0		500			680						
145			325	2.0		505			685						
150	2.0		330	2.7		510			690						
155	2.9		335	3.0	3	515			695						
160	2.8		340	2.5		520			700						
165	2.4	10	345	2.3		525			705						
170	2.0		350	2.4		530			710						
175	1.2		355	2.2	2	535			715						
180	1.1		360	1.7		540			720						

REMARKS:

