

1082

35-30-039-06786

169-30-039-20663

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. 33 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #35, #169

cps 1793w

Elevation 6493' Completion Date 10/21/85 Total Depth 300' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 50' & 140' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 3750 lbs.Depths anodes placed: 245', 235', 225', 205', 195', 185', 175', 145', 110', 100'Depths vent pipes placed: 297'Vent pipe perforations: 260'Remarks: rgb #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 10/21/85

CPS #		Well Name, Line or Plant		Work Order #		Static:		Ins Union Check																																																																									
1793 W		S.J. 27-5 # 169		55421.		.72V S		☒ Good ☐ Bad																																																																									
		S.J. 27-5 # 35		53567.		.75V W																																																																											
Location: SW 33-27-5		Anode Size: 2" X 60"		Anode Type: DUTION		Size Bit: 6 3/4"																																																																											
Depth Drilled: 300'		Depth Logged: 297'		Drilling Rig Time		Total Lbs. Coke Used: 3750		Lost Circulation Mat'l Used																																																																									
No Sacks Mud Used																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Anode Depth</td> <td># 1 245</td> <td># 2 235</td> <td># 3 225</td> <td># 4 205</td> <td># 5 195</td> <td># 6 185</td> <td># 7 175</td> <td># 8 145</td> <td># 9 110</td> <td># 10 100</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 1 2.8</td> <td># 2 3.5</td> <td># 3 4.0</td> <td># 4 3.0</td> <td># 5 3.8</td> <td># 6 3.9</td> <td># 7 3.1</td> <td># 8 2.9</td> <td># 9 5.0</td> <td># 10 5.3</td> </tr> <tr> <td colspan="2">Anode Depth</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> <tr> <td colspan="2">Total Circuit Resistance</td> <td colspan="4">Volts 11.4</td> <td colspan="2">Amps 17.6</td> <td colspan="2">Ohms .65</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="4"></td> <td colspan="2">No. 8 C.P. Cable Used</td> <td colspan="2">No. 2 C.P. Cable Used</td> <td colspan="2"></td> </tr> </table>										Anode Depth		# 1 245	# 2 235	# 3 225	# 4 205	# 5 195	# 6 185	# 7 175	# 8 145	# 9 110	# 10 100	Anode Output (Amps)		# 1 2.8	# 2 3.5	# 3 4.0	# 4 3.0	# 5 3.8	# 6 3.9	# 7 3.1	# 8 2.9	# 9 5.0	# 10 5.3	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		Volts 11.4				Amps 17.6		Ohms .65										No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			
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Remarks: Drilled To 140'. Driller said water at 50' & 140'. WATER STANDING IN HOLE NEXT A.M. AT 80'. Drilled To 300', Logged 297'. INSTALLED 297' of 1" P.V.C VENT pipe, Perforated To 37'.

Rectifier Size: 40 V 16 A - 900.00.
 Addn'l Depth: —
 Depth Credit: 203 x 3.00 = 609.
 Extra Cable: 220' x .37 = 81.40.
 Ditch & 1 Cable: 440' x .35 = 594.00.
 25' Meter Pole: —
 20' Meter Pole: —
 10' Stub Pole: 1 - 400

All Construction Completed

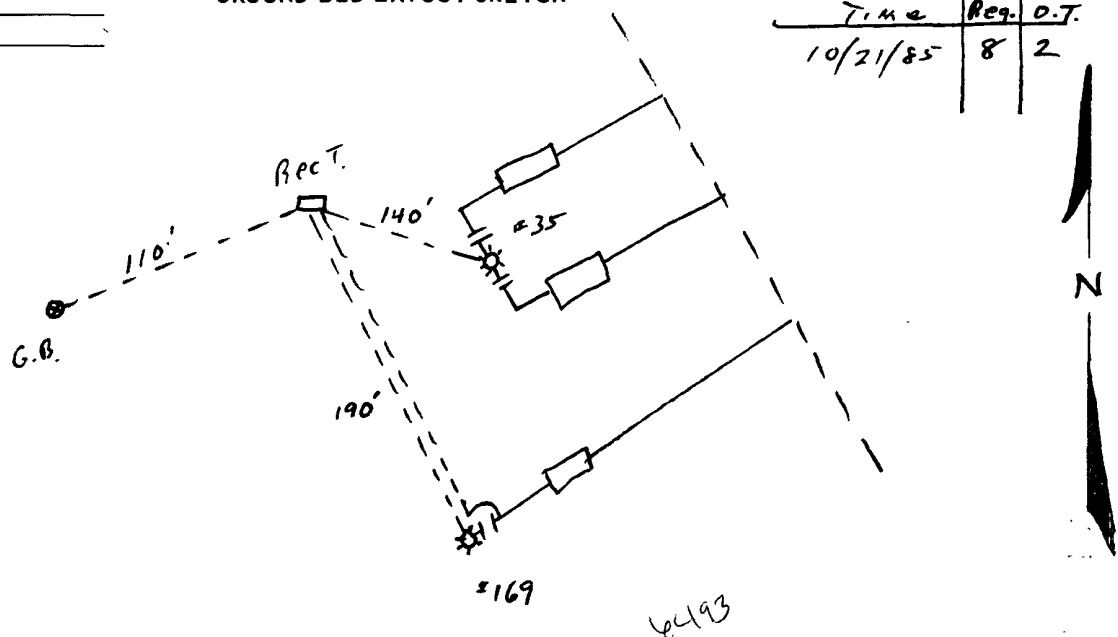
JE Stott
(Signature)

GROUND BED LAYOUT SKETCH

Time	Req.	O.T.
10/21/85	8	2

4740.00
 - 609.00
 81.40
 594.00
 900.00
 400.00
 300.00

 6406.40.



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

ANALYSIS NO.: 1-11809 DATE: NOVEMBER 22, 1985
OPERATOR: MERIDIAN OIL WELL NAME: SAN JUAN 27-5 #169 CPS 6793W
LOCATION: SW 33-27-5 COUNTY RIO ARriba STATE: NM
FIELD: GOBERNADOR FORMATION: SURFACE
SAMPLED FROM: GROUND BED AT 40 FEET
DATE SAMPLED: OCTOBER 21, 1985 SECURED BY: JOE STOTTS
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

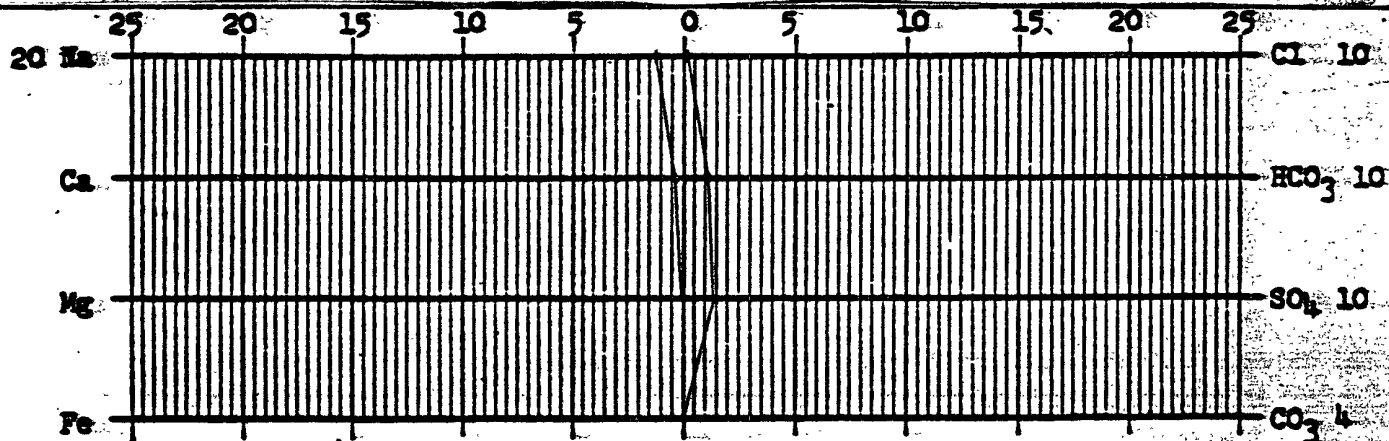
	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	25	13.1	524		
P ALKALINITY	25	0	0		
BICARBONATE	25	13.1	524	639	10.48
CARBONATE	25	0	0	0	0.00
CHLORIDE	50	1		20	0.56
SULFATE				682	14.19
TOTAL HARDNESS	50	9	18		
CALCIUM	50	9	18	7	0.36
MAGNESIUM	50	0	0	0	0.00
IRON					
SODIUM (CALCULATED)				572	24.87
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1480	
pH				8.27	
SPECIFIC GRAVITY			1.011 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



Scale: ppm

MI ISO-NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 1793 W WELL NAME: S.J. 27-5 UNIT #169 LOCATION: SN33-27-5 DATE: 10/21/85

TOTAL VOLTS: 11.4 TOTAL AMPS: 17.6 OHMS RESISTANCE: 65

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	2.0	⑥	365			545			1	245	1.7	2.8
10			190	2.0		370			550			2	235	2.0	3.5
15			195	1.8	⑤	375			555			3	225	2.1	4.0
20			200	1.7		380			560			4	205	1.8	3.0
25			205	1.7	④	385			565			5	195	2.0	3.8
30			210	1.6		390			570			6	185	2.1	3.9
35			215	1.5		395			575			7	175	1.8	3.1
40			220	1.5		400			580			8	145	1.8	2.9
45			225	1.8	③	405			585			9	110	3.3	5.0
50			230	2.3		410			590			10	100	3.4	5.3
55			235	2.0	②	415			595						
60			240	1.5		420			600						
65			245	1.6	①	425			605						
70			250	1.2		430			610						
75			255	1.5		435			615						
80			260	1.6		440			620						
85			265	1.0		445			625						
90			270	1.8		450			630						
95			275	1.6		455			635						
100	3.3	⑩	280	1.4		460			640						
105	3.4		285	2.0		465			645						
110	3.2	⑨	290	2.1		470			650						
115	1.5		295	2.97	T.D.	475			655						
120	1.6		300			480			660						
125	1.7		305			485			665						
130	1.6		310			490			670						
135	1.4		315			495			675						
140	1.7		320			500			680						
145	1.7	⑧	325			505			685						
150	1.4		330			510			690						
155	1.2		335			515			695						
160	1.2		340			520			700						
165	1.1		345			525			705						
170	1.4		350			530			710						
175	1.7	⑦	355			535			715						
180	1.9		360			540			720						

REMARKS: Drilled To 140'. Driller said water at 50' & 140', water standing in hole next a.m. at 80'. Drilled To 300'. Logged 2.97'. Installed 2.97' of 1" P.V.C. vent pipe, Perforated To 37'.

DAILY DRILLING REPORT

C.P.S. 1793-W

LEASE SJ 27-5						WELL NO. #169						CONTRACTOR						RIG NO.						REPORT NO.						DATE 10/21/85						19	
MORNING												DAYLIGHT												EVENING													
Driller Tim C RIFFEL Total Men In Crew 5												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.									

SIGNED: Toolpusher

Tami C Riffel

____ Company Supervisor