

1082

35-30-039-06786

169-30-039-20663

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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 5

Name 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/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. 50' & 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & 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: gb #1

RECEIVED
MAY 31 1986
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 S.J. 27-5 # 35	55421. 53567.	.77V S .75V W	☒ Good ☐ Bad
Location:	Anode Size:	Anode Type	Size Bit:	
SW 33-27-5	2" X 60"	DURION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
300'	297'		3750	
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		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used
Volts 11.4	Amps 17.6	Ohms .65		

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 22'.

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

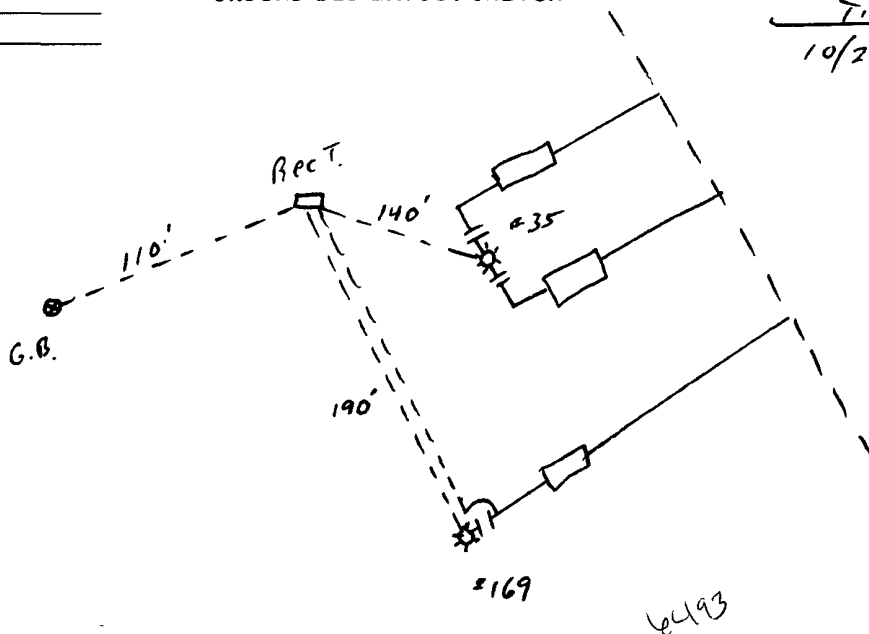
JE Smith
(Signature)

GROUND BED LAYOUT SKETCH

Time	Reg.	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 12733M
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 STOUTS
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

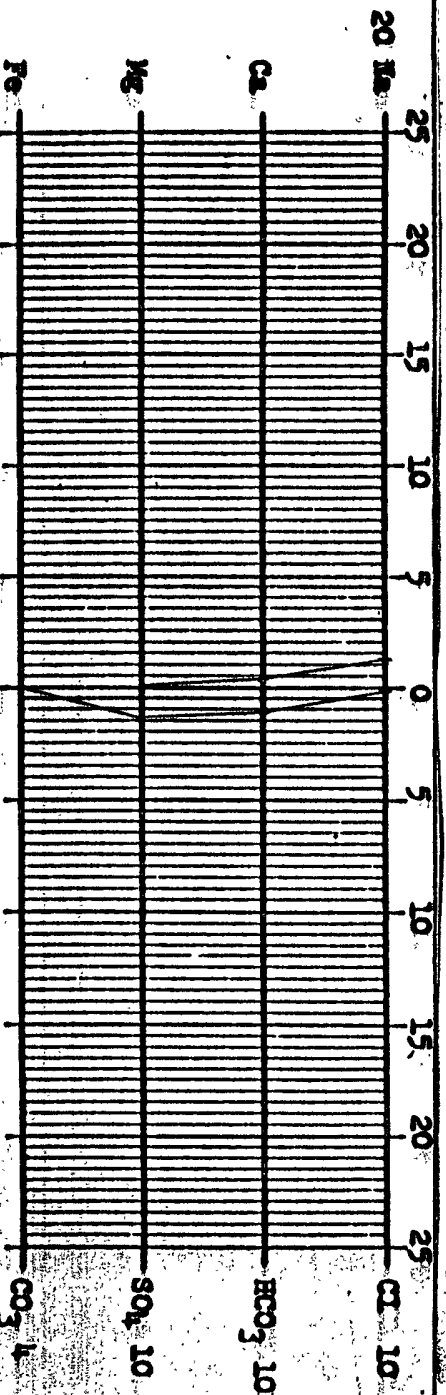
	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	25	13.1	524		
P ALKALINITY	25	0	0		
BICARBONATE	25	13.1	524		639 10.48
CARBONATE	25	0	0		0 0.00
CHLORIDE	50	1			20 0.56
SULFATE					682 14.19
TOTAL HARDNESS	50	9	18		
CALCIUM	50	9	18		7 0.36
MAGNESIUM	50	0	0		0 0.00
IRON					
SODIUM (CALCULATED)					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 *CEK*



FT. HISO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 1793 W WELL NAME: S.J. 27-5 UNIT #169 LOCATION: SW33-27-5 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	.8		450			630						
95			275	.6		455			635						
100	3.3	⑩	280	.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	.6		300			480			660						
125	.7		305			485			665						
130	.6		310			490			670						
135	.4		315			495			675						
140	.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 297'. Installed 297' of 1" P.V.C. VENT Pipe, Perforated To 37'.

DAILY DRILLING REPORT

C.P.S. 1793-W

[illegible]

SIGNED: Toolpusher

Tami C Riffel

____ Company Supervisor