

1080

5-30-039-06826

143-30-039-20469

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 NE Sec. 34 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #5, #143

cps 1795w

Elevation 6529' Completion Date 10/28/85 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. 90' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 270', 245', 235', 225', 215', 205', 175', 165', 155', 130'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

RECEIVED
MAY 31 1991

OIL CON. DIST.

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 10-28-85

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1795 W	S.J. 27-5 # 5 # 143	54979	.75 .75	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
NE34-27-5	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
300	295			
Anode Depth				
# 1 270	# 2 245	# 3 235	# 4 225	# 5 215
# 6 205	# 7 175	# 8 165	# 9 155	# 10 130
Anode Output (Amps)				
# 1 3.5	# 2 4.1	# 3 4.2	# 4 4.6	# 5 4.1
# 6 4.5	# 7 4.0	# 8 4.6	# 9 4.0	# 10 4.9
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 12.1	Amps 18.5	Ohms .65	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

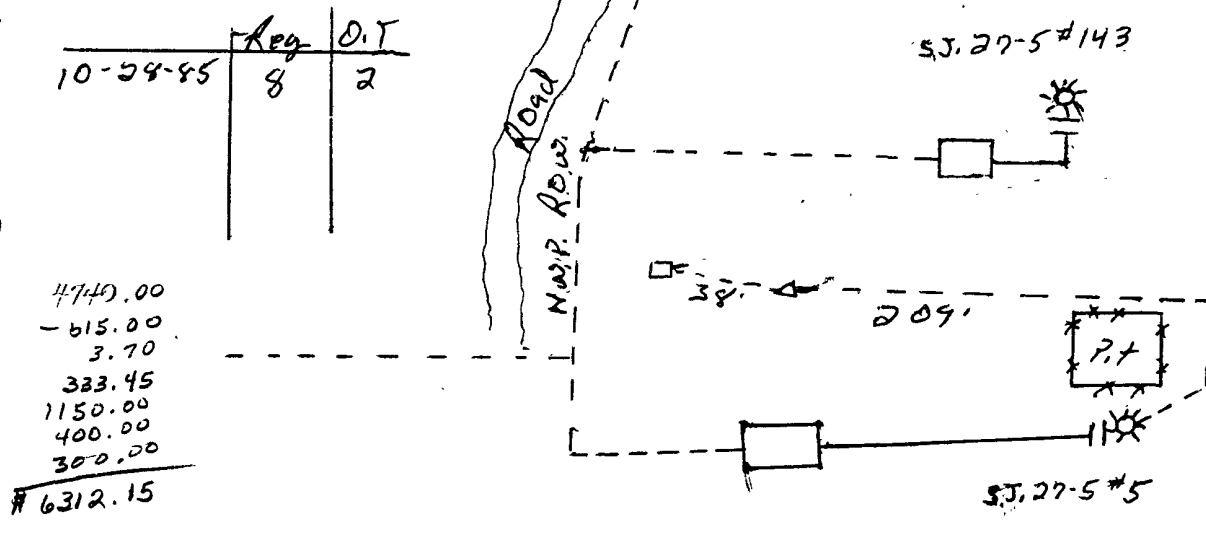
Remarks: Driller said he had water at 90'. Drilled with air and foam mixture vent pipe is perforated up to 80'

Rectifier Size: 60 V 30 A - 1150
 Addn'l Depth
 Depth Credit: 205 x 3.00 = 615.00
 Extra Cable: 10' x .37 = 3.70
 Ditch & 1 Cable: 247' x .135 = 333.45
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole: one - \$400.00

All Construction Completed

Randy Smith
 (Signature)

GROUND BED LAYOUT SKETCH



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

ANALYSIS NO.: 1-11815

OPERATOR: MERIDIAN OIL

LOCATION: 34-21-5

FIELD: GOBERNADOR

SAMPLED FROM: GROUND BED AT 90 FEET

DATE SAMPLED: 11/1/85

TUBING PRESSURE:

SURFACE CASING PRESSURE:

DATE: DECEMBER 3, 1985

WELL NAME: SAN JUAN 27-5 #5, #143 CPS 1795W

COUNTY RIO ARriba STATE: NEW MEXICO

FORMATION: SURFACE

SECURED BY: BILL TATUM

CASING PRESSURE:

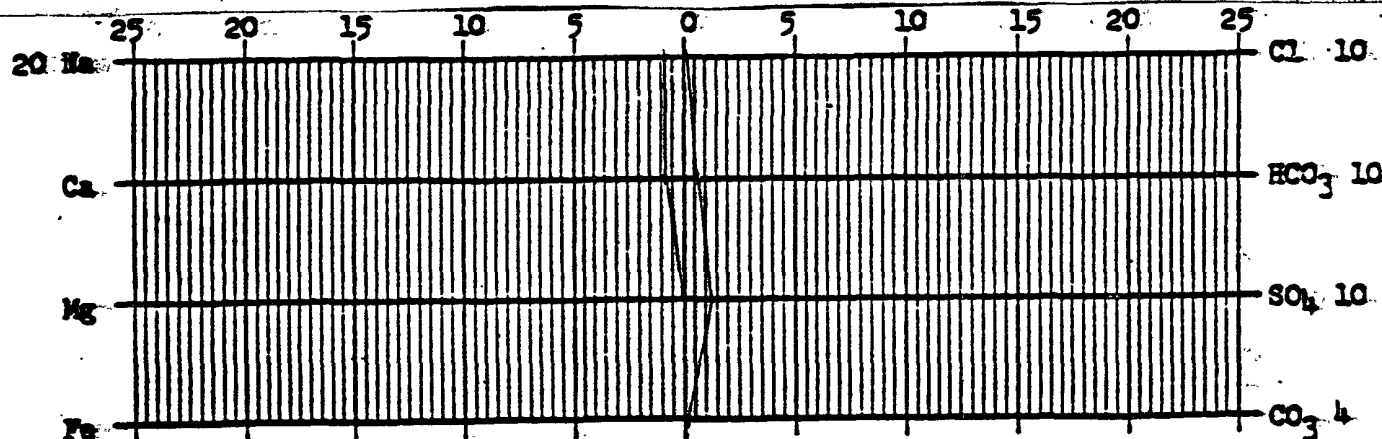
	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	25	9.1	364		
P ALKALINITY	25	.4	16		
BICARBONATE	25	8.3	332	405	6.64
CARBONATE	25	.8	32	19	0.64
CHLORIDE	50	.8		16	0.45
SULFATE				608	12.65
TOTAL HARDNESS	50	2.1	42		
CALCIUM	50	2.1	42	17	0.84
MAGNESIUM	50	0	0	0	0.00
IRON					
SODIUM (CALCULATED)				449	19.54
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1226	
pH				8.5	
SPECIFIC GRAVITY			1.0008 AT 60F		
RESISTIVITY			552 OHM-CM AT 73		
CONDUCTIVITY			1810 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
E. R. PAULEK
W. B. SHROPSHIRE
FILE

DENNIS BIRD

CHEMIST GCK



Scale: ppm

EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 17952 WELL NAME: 55-27-5 #53 #143 LOCATION: NE34-275 DATE: 10-28-85

TOTAL VOLTS: 12.1 TOTAL AMPS: 18.5 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	.5		365			545			1	270	2.2	3.5
10			190	.5		370			550			2	245	2.7	4.1
15			195	.6		375			555			3	235	2.5	4.2
20			200	2.1	*	380			560			4	225	2.9	4.6
25			205	2.7	(6)	385			565			5	215	2.5	4.1
30			210	2.9	*	390			570			6	205	2.6	4.5
35			215	2.1	(5)	395			575			7	175	2.3	4.0
40			220	2.6	*	400			580			8	165	2.8	4.6
45			225	2.8	(4)	405			585			9	155	2.5	4.0
50			230	2.5	*	410			590			10	130	2.9	4.9
55			235	2.5	(3)	415			595						
60			240	2.3	*	420			600						
65			245	2.7	(2)	425			605						
70			250	2.0	*	430			610						
75			255	1.8		435			615						
80			260	1.6	*	440			620						
85			265	1.7		445			625						
90	2.2		270	2.1	*	450			630						
95	.8		275	2.0		455			635						
100	.7		280	1.8		460			640						
105	1.6		285	1.9		465			645						
110	2.9		290	2.7		470			650						
115	3.1		295	TD 295		475			655						
120	2.9		300			480			660						
125	2.9		305			485			665						
130	2.7	(10)	310			490			670						
135	1.8		315			495			675						
140	2.0		320			500			680						
145	1.7		325			505			685						
150	1.7		330			510			690						
155	2.5	(9)	335			515			695						
160	2.8		340			520			700						
165	2.8	(8)	345			525			705						
170	1.9		350			530			710						
175	2.4	(7)	355			535			715						
180	1.7		360			540			720						

REMARKS: Vent pipe perforated up to 80'

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE San Juan 27-5 WELL NO. 5+144 CONTRACTOR Leffler Co RIG NO. 40 REPORT NO. 16 DATE 10-25 1955

MORNING

DAYLIGHT

EVENING

Driller <u>J. H. O'Brien</u> Total Men In Crew <u>5</u>					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.
<u>0</u>	<u>100</u>	<u>Land</u>												
<u>100</u>	<u>200</u>	<u>Hard shale</u>												
<u>200</u>	<u>275</u>	<u>Shale</u>												

BIT NO. _____		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 - <u>Put water at 90'</u>	REMARKS -	REMARKS -

SIGNED: Toolpusher _____

Company Supervisor _____