

1040

42. 30-039-06959

118- 30-039-20318

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. 22 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #42, #118

cps 1710w

Elevation 6491 Completion Date 9/22/83 Total Depth 400' 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. 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs.

Depths anodes placed: 360', 350', 340', 305', 255', 230', 200', 190', 180', 170'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED

MAY 31 1991

OIL CON. DIV.
OSL 2

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 9/22/83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1710 W	S.J. 27.5 #42 S.J. 27.5 #118	S3810-19-50-20-64 S4761-19-50-20-64	600' E = .88 V 600' W = .73 V	☒ Good ☐ Bad
Location SW 22-27-5	Anode Size: 2" X 60"	Anode Type: DURATION	Size Bit: 6 3/4"	
Depth Drilled 400'	Depth Logged 400'	Drilling Rig Time	Total Lbs. Coke Used Slurred 4100 LBS	Lost Circulation Mat'l Used No. Sacks Mud Used
Anode Depth				
# 1 360'	# 2 350'	# 3 340'	# 4 305'	# 5 255'
# 6 230'	# 7 200'	# 8 190'	# 9 180'	# 10 170'
Anode Output (Amps)				
# 1 3.94	# 2 3.77	# 3 4.13	# 4 5.53	# 5 4.35
# 6 4.26	# 7 4.5	# 8 6.4	# 9 5.0	# 10 4.18
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 11.96	Amps 18.7	Ohms .6		

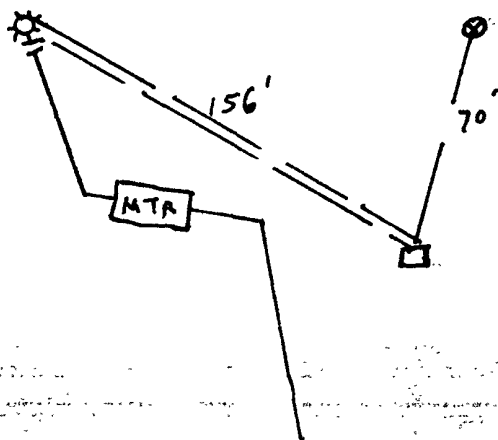
Remarks: Driller said water AT 140'. Approx 20 gal/min. Took water sample,
Drilled 160'. Water standing in hole next A.M. AT 80'. Drilled 400', logged 40
Installed 400' of 1" P.V.C. VENT Pipe, Perforated 300'.

Rectifier Size: 60 V 30 A
 Addn'l Depth
 Depth Credit: 100' ✓
 Extra Cable: 186' ✓
 Ditch & 1 Cable: 226' ✓
 25' Meter Pole: ✓
 20' Meter Pole:
 10' Stub Pole:

All Construction Completed

JE Dalt
(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg	O.T.
10	8	2



CPS 1710 W.

S.J. -27-5 # 42

W.O. 538-10-19-50-20

SW-28-27-5

S.J. 27-5 # 118

54761-19-50-20

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

80 -	260 - 1.56	Driller said WATER AT 140'
	1.46	Approx 20 GAL/min. Took WATER
90 -	70 - 1.26	SAMPLE, Drilled 160' WATER
	1.07	STANDING IN HOLE NEXT A.M.
100 -	80 - 1.12	AT 80'. Drilled 400' Logged
	1.19	400'. INSTALLED 400' of
10 -	90 - 1.12	1" P.V.C. VENT PIPE
	1.78	Perforated 300'
20 -	300 - 1.53	
	2.33 - ④	
30 -	10 - 2.14	
	1.06	
40 - 1.46	20 - 1.4	
	1.22	
50 - 1.22	30 - 1.73	
	1.98	
60 - 2.11	40 - 1.91	③
	1.93	
70 - 2.75 - ⑩	50 - 2.02 - ②	11.96 V. 18.7A = .6 Ω
	3.13	
80 - 3.51 - ⑨	60 - 1.90 - ①	1 - 360 - 1.97 - 3.96
	3.05	2 - 350 - 1.99 - 3.77
90 - 3.9 - ⑧	70 - 1.39	3 - 340 - 1.92 - 4.13
	3.51	4 - 305 - 2.9 - 5.53
200 - 2.63 - ⑦	80 - .99	5 - 255 - 2.6 - 4.35
	1.65	6 - 230 - 2.7 - 4.26
10 - 1.43	90 - .49	7 - 200 - 2.87 - 4.5
	1.19	8 - 190 - 4.0 - 6.4
20 - 1.06	400 - T.P.	9 - 180 - 3.5 - 5.0
	1.96	10 - 170 - 3.0 - 4.18
30 - 2.33 - ⑥		
	1.89	
40 - 1.56		
	1.5	
50 - 1.77		
	2.19 - ⑤	

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

Analysis No. 1-10867 Date September 30, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #118 CPS 1710W

Location SW 22-27-5 County Rio Arriba State New Mexico

Field Blanco Formation

Sampled From 140 feet CPS 1710W

Date Sampled September 21, 1983 By

Tbg. Press. Csg. Surface Csg. Press.

Sodium <u>767</u> ppm	<u>33.4</u> epm	Chloride <u>40</u> ppm	<u>1.1</u> epm
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Calcium <u>45</u>	<u>2.3</u>	Bicarbonate <u>605</u>	<u>9.9</u>
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Magnesium <u>5</u>	<u>0.4</u>	Sulfate <u>1,200</u>	<u>25.0</u>
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Iron <u></u>	<u></u>	Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u></u>	<u></u>	Hydroxide <u>0</u>	<u>0</u>
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cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File

Total Solids Dissolved 2.964

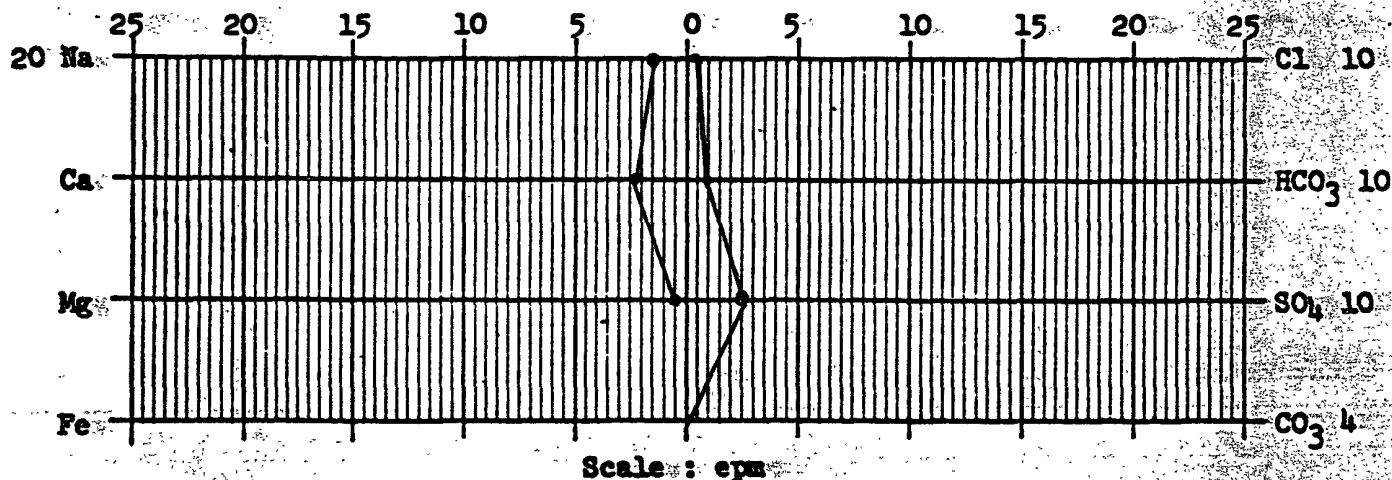
pH 7.8

Sp. Gr. 0.9614 At 60°F

Resistivity 208 ohm-cm at 74°F

Joe P. Barnett

Chemist GCK



CPS 1710 W DAILY DRILLING REPORT

LEASE SAN JUAN WELL NO. CONTRACTOR SK OIL INC RIG NO. 3 REPORT NO. DATE 9-21 19 88

MORNING						DAYLIGHT						EVENING					
Driller		Total Men In Crew				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.			
					0	160	SAND b SAND stone	6 3/4									
					160	240	SAND										
					240	400	SAND stone b shale										
BIT NO.		NO. DC		SIZE	LENG.		BIT NO.		NO. DC		SIZE		LENG.				
SL L NO.		STANDS				SERIAL NO.		STANDS				DOWN ON KELLY					
SIZE		SINGLES				TYPE		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 -					REMARKS -					REMARKS -							
					water 140' to 160' sand,												
					11 240' to 260' sand,												
					11 390 to 400 sand												
					making about 50 gal aminox												
					20 gal aminox at 140'												

SIGNED: Toolpusher

Billy Soule

____ Company Supervisor

J. C. Stott