

1291

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30-639-22187

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 33 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #11A

cps 1597w

Elevation 6685' Completion Date 7/9/81 Total Depth 385' 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. 85' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3000 lbs.

Depths anodes placed: 350', 34', 330', 320', 310', 250', 240', 210', 200', 155'

Depths vent pipes placed: 380'

Vent pipe perforations: 300'

Remarks: gb #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 7-9-81

Well Name <u>S.J. 28-5 #11A</u>		Location <u>SE 33-28-5</u>		CPS No. <u>1597W</u>	
Type & Size Bit Used <u>6 3/4 Rock</u>		2" x 60" Duriron		Work Order No. <u>184-57922-21-50-20</u>	
Anode Hole Depth <u>385 Log 386</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>APPROX 3000</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>350</u>	# 2 <u>340</u>	# 3 <u>330</u>	# 4 <u>320</u>	# 5 <u>310</u>	# 6 <u>250</u>
# 7 <u>240</u>	# 8 <u>210</u>	# 9 <u>200</u>	# 10 <u>155</u>		
Anode Output (Amps)					
# 1 <u>3.6</u>	# 2 <u>5.1</u>	# 3 <u>4.8</u>	# 4 <u>3.2</u>	# 5 <u>3.4</u>	# 6 <u>2.9</u>
# 7 <u>3.7</u>	# 8 <u>4.1</u>	# 9 <u>3.0</u>	# 10 <u>3.3</u>		
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 <u>11.5</u>	Amps <u>19.0</u>	Ohms <u>.61</u>			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: STATIC C/S = .74V (FL NOT YET LAID NO INS UNION)

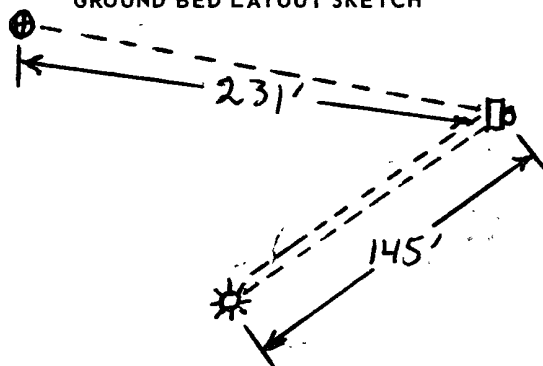
DRILLER SAID WATER AT 85FT DRILLED 100 FT WITH AIR CAUGHT WATER SAMPLE. DRILLED 386 FT LOGGED 386 FT. INST. 380FT OF VENT PIPE WITH 300 FT PERF. SLURRIED APPROX 3000 LBS OF BULK COKE. HOLE MAKING APPROX 36PM WATER.

Hole Depth = -114
EXTRA CABLE = 165
DITCH & CABLE = 376
STUB POLE
40V 16A RECT

All Construction Completed

Robert J. Belmont
(Signature)

GROUND BED LAYOUT SKETCH



	Reg	O.T.
7-9	8	2

DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

6685

1597W S.J. 28-5 #11A SE 33-28-5

57922-21-50-20

STATIC 9S N = .74V FL Not Yet Laid

SP 40-16

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	1.0	250	1.1	✓	DRILLER SAID WATER AT 85 FT
90	.9	60	.8		DRILLED 100' WITH AIR CAUGHT
	1.1		.5		WATER SAMPLE NEXT AM
100	1.0	70	.5		DRILLED TO 335 FT LOGGED
	.9		.5		386 FT INST 380' OF
10	.7	80	.5		VENT PIPE WITH 300' PER F.
	.8		.4		SLURRIED APPROX 3000 LBS OF
20	.7	90	.3		BULK COKE (NOT FEASIBLE TO TELL
	1.0		.3		EXACT AMOUNT OF COKE)
30	1.3	300	.2		3 GPM
	1.6		.9		
40	1.5	10	1.2	5	
	1.6		1.1		
50	1.5	20	1.1	4	
	1.2	10	1.2		
60	.4	30	1.3	3	
	.7		1.4		
70	.7	40	1.4	2	
	.4		1.3		
80	.3	50	1.1	1	
	.5		.3		
90	.5	60	.2		
	1.1		.3		
200	1.2	70	.3		
	1.4		.8		
10	1.4	80	.9		
	1.0				
20	.7	90			
	.6				
30	.4				
	.6				
40	1.3	7			
	1.3				

- ① 350 - 2.0 - 3.6
- ② 340 - 2.5 - 5.1
- ③ 330 - 2.2 - 4.8
- ④ 320 - 2.0 - 3.2
- ⑤ 310 - 1.9 - 3.4
- ⑥ 250 - 1.8 - 2.9
- ⑦ 240 - 2.4 - 3.7
- ⑧ 210 - 2.7 - 4.1
- ⑨ 200 - 1.9 - 3.0
- ⑩ 155 - 2.1 - 3.3

11.5 V @ 19.0 A = .61 ohms

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

Analysis No. 1-10249 Date 7-15-81

Operator EPNG Well Name SJ 28-5 #11A 85 ft. CPS 1597 W

Location SE 33-28-5 County Rio Arriba State New Mexico

Field Blanco Formation _____

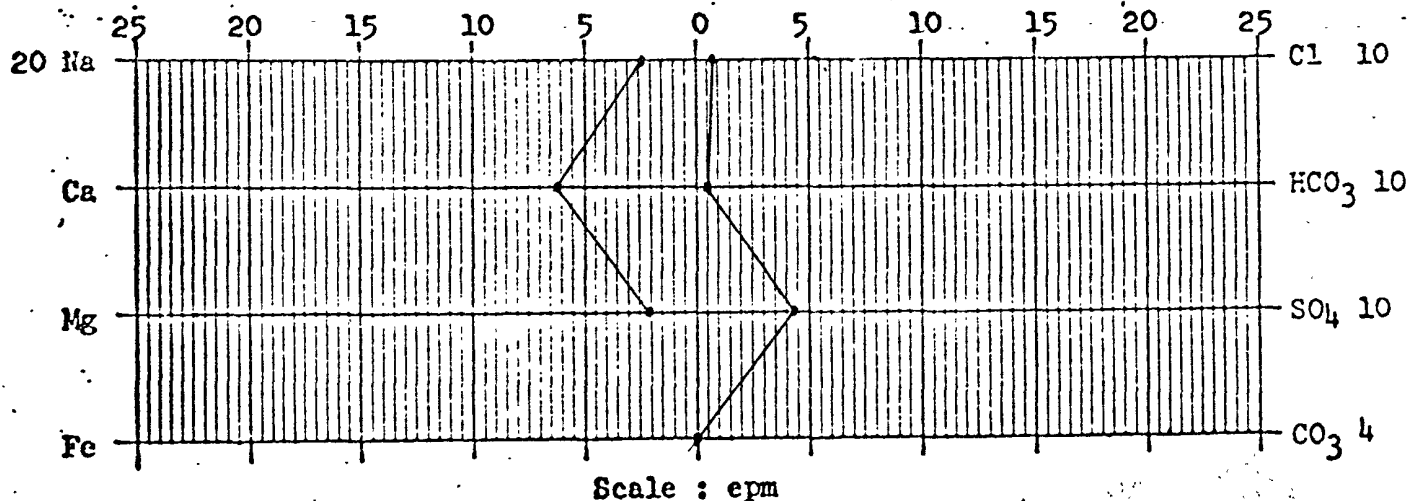
Sampled From _____

Date Sampled 7-9-81 By Robert J. Babnick

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

	ppm	epm		ppm	epm
Sodium	<u>1111</u>	<u>48.3</u>	Chloride	<u>270</u>	<u>7.6</u>
Calcium	<u>124</u>	<u>6.2</u>	Bicarbonate	<u>300</u>	<u>4.9</u>
Magnesium	<u>25</u>	<u>2.1</u>	Sulfate	<u>2120</u>	<u>44.1</u>
Iron	<u>Absent</u>		Carbonate	<u>0</u>	<u>0</u>
H ₂ S	<u>Absent</u>		Hydroxide	<u>0</u>	<u>0</u>
cc: R. A. Ullrich			Total Solids Dissolved <u>3628</u>		
E. R. Paulek			pH <u>7.75</u>		
J. W. McCarthy			Sp. Gr. <u>1.0035</u> At <u>60°F</u>		
J. D. Evans			Resistivity <u>200</u> ohm-cm at <u>72°F</u>		
W. B. Shropshire					
D. C. Adams					
File					

Robbie Dancetlaw RZE
Chemist



EVENING

Company Supervisor