

1293

14A-30-039-22205

E

54E-30-039-23813

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

Operator MERIDIAN OIL Location: Unit NW Sec. 20 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #14A, #54E

cps 1598w

Elevation 6637' Completion Date 7/13/81 Total Depth 425' 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. 150' SAMPLE TAKEN

Depths gas encountered: HOLE MAKING GAS

Type & amount of coke breeze used: 3500 lbs.

Depths anodes placed: 395', 385', 375', 365', 350', 340', 280', 270', 210', 200'

Depths vent pipes placed: 420'

Vent pipe perforations: 280'

Remarks: gb #1 HOLE CAVED AFTER #8 ANODE COKED.

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 **7-13-81**

Well Name S.J. 28-5 #14 A 54E		Location NW-20-28-5		CPS No. 1598 W	
Type & Size Bit Used 6 3/4 Rock		2" x 60" Duriron		Work Order No. 57923-21-50-20	
Anode Hole Depth 425 Logged 421	Total Drilling Rig Time	Total Lbs. Coke Used APPROX 3500	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 395	# 2 385	# 3 375	# 4 365	# 5 350	# 6 340
# 7 280	# 8 270	# 9 210	# 10 200		
Anode Output (Amps)					
# 1 3.0	# 2 2.8	# 3 3.4	# 4 3.3	# 5 2.7	# 6 3.0
# 7 2.6	# 8 2.4	# 9 2.9	# 10 4.6		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance					
Volts 12.4	Amps 17.9	Ohms .69	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used

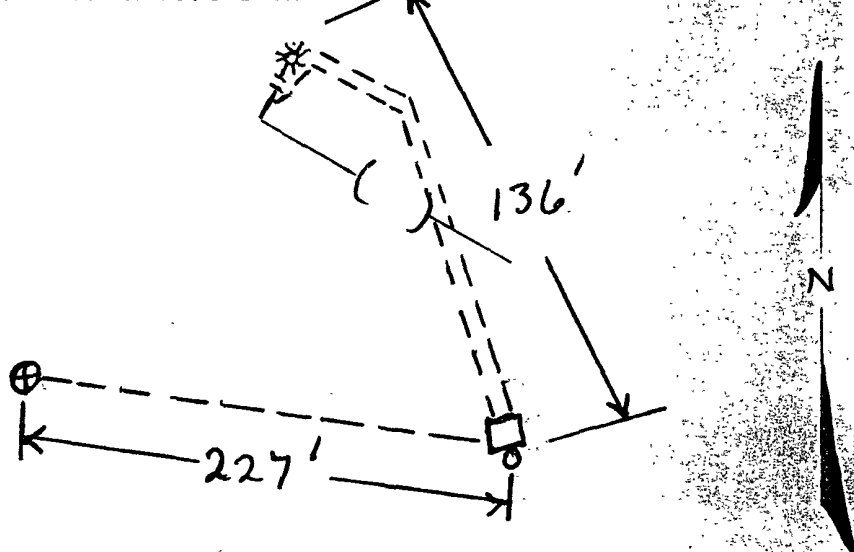
Remarks: **STATIC C/S 600'S = .85 1300MA+ UNION = OK**

Driller SAID WATER AT 150FT DRILLED TO 160FT 7-10-81 LEFT OPEN OVER WEEKEND, CAUGHT WATER SAMPLE 7-13-81. DRILLED TO 425' LOGGED 421. TOTAL WATER APPROX 26PM. GB MAKING GAS. INST. 420 VENT PIPE @ 280' PER F. HOLE CAVED AFTER #8 ANODE COKE #9 & 10 STUCK IN HOLE. BLEW OUT BRIDGE WITH AIR THEN FINISHED COKING. HOLE DEPTH = 279', EXTRA CABLE = 156', DITCH & CABLE = 363', STUB POLE 400 16A RECT

All Construction Completed

Rahm J. Belmont
(Signature)

GROUND BED LAYOUT SKETCH



	Reg.	O.T.
7-13	8	3

DISTRIBUTION:

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

6637

1598W S.J. 28-5#14A NW20-2E-5
 57923-21-50-20
 STATIC @ 500 S = 85 1300mA UNION = OK
 16 FT = .72

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

1	50	.8	330	1.0	Driller Said WATER AT 150 FT Drilled
		.8		1.1	160' LEFT For weekend caught water
	60	.8	40	1.2 - 4	SAMPLE Monday AM. Drilled to
		1.2		1.3	425 FT. (WATER + WATER INJ. Logged
	70	1.7	50	1.2 - 5	421 FT TOTAL WATER 2 GPM
		1.7		1.0	GB MAKING GAS
	80	1.6	60	.9	INST 420 FT VENT Pipe
		1.9		1.3 - 4	WITH 280 FT PERF.
	90	1.9	70	1.3	Hole caved AFTER #8
		1.9		1.3 - 3	LOKED AT D STUCK BLEW
	200	1.9 - 10	80	1.4	hole CLEAN WITH AIR
		1.7		1.3 - 2	Finished coking hole
	10	1.4 - 9	90	1.0	
		.7		1.3 - 1	
	20	.2	400	1.0	
		.3		.6	
	30	.4	10	1.3	
		.4		1.4	
	40	.8	20	421' TD	
		1.1			
	50	.7			
		.5			
	60	.4			
		.4			
	70	1.0 - 8			
		1.1			
	80	1.1 - 7			
		.9			
	90	.6			
		.3			
	300	.3			
		.5			
	10	.3			
		.3			
	20	.3			
		.4			

- ① 395 - 1.7 - 3.0
- ② 385 - 1.7 - 2.8
- ③ 375 - 1.9 - 3.4
- ④ 365 - 1.7 - 3.3
- ⑤ 350 - 1.6 - ~~3.3~~ 2.7
- ⑥ 340 - 1.8 - 3.0
- ⑦ 280 - 1.5 - 2.6
- ⑧ 270 - 1.4 - ~~2.8~~ 2.4
- ⑨ 210 - 2.0 - 2.9
- ⑩ 200 - 3.4 - 4.6

$$12.4 \text{ V} @ 17.9 \text{ A} = 690 \text{ hms}$$

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

Analysis No. 1-10271 Date 7-28-81
Operator El Paso Natural Gas Well Name S.J. 28-5 #14A CPS 4598 W
Location NW 20-28-5 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From 150 ft.

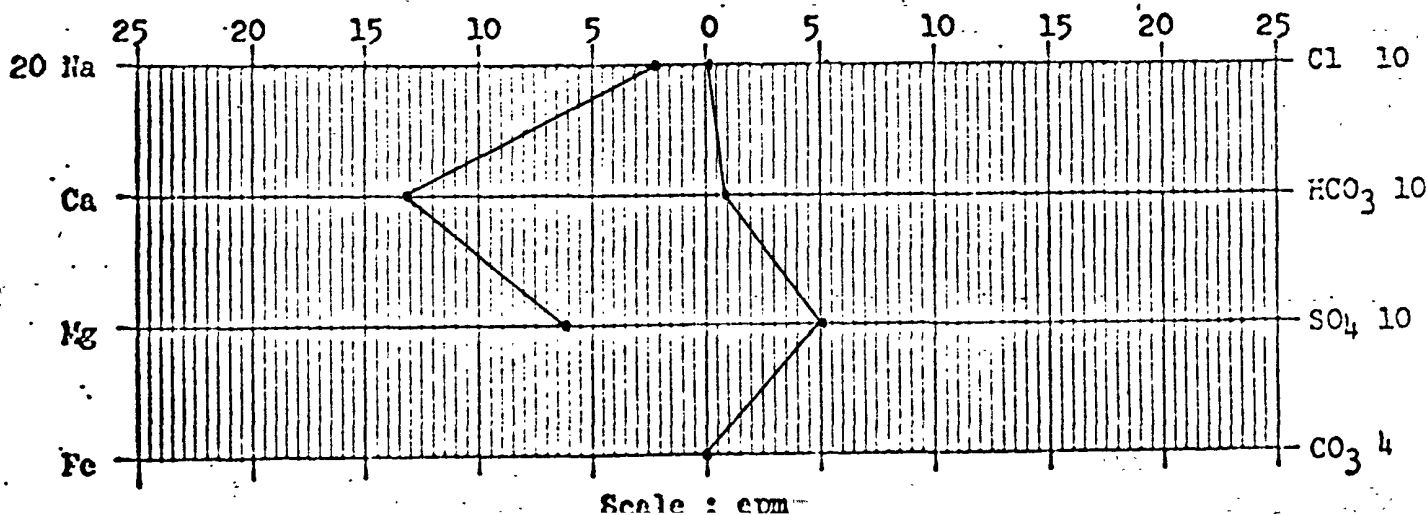
Date Sampled 7-13-81 By Robert J. Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>968</u>	<u>42.1</u>	Chloride <u>60</u>
Calcium <u>262</u>	<u>13.1</u>	Bicarbonate <u>539</u>
Magnesium <u>74</u>	<u>6.1</u>	Sulfate <u>2440</u>
Iron <u>Absent</u>		Carbonate <u>0</u>
H ₂ S <u>Absent</u>		Hydroxide <u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 3,854
pH 7.5
Sp. Gr. 1.0054 At 60°F
Resistivity 211 ohm-cm at 75°F

Debbie Denebald PZS
Chemist



DAILY DRILLING REPORT

195

EVENING

... me

	NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____
BIT NO. _____	NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____	NO. DC _____ SIZE _____ LENG. _____
S _____ L NO. _____	STANDS _____	SERIAL NO. _____	STANDS _____
SIZE _____	SINGLES _____	SIZE _____	SINGLES _____
TYPE _____	DOWN ON KELLY _____	TYPE _____	DOWN ON KELLY _____
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.	Vls.		Time	Wt.	Vls.		Time	Wt.	Vls.	
FROM	TO		TIME BREAKDOWN	FROM	TO		TIME BREAKDOWN	FROM	TO		TIME BREAKDOWN

REMARKS -

Prave K K

Company Supervisor