

1276

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30-039-22185

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. 5 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #53A

cps 1594w

Elevation 6579 Completion Date 7/7/81 Total Depth 385' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 110' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 3600 lbs.Depths anodes placed: 340', 330', 295', 285', 275', 265', 255', 245', 235', 225'Depths vent pipes placed: 370'Vent pipe perforations: 280'Remarks: gb #1**RECEIVED**

MAY 31 1981

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.

Rio Arriba
WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 7-7-81

Well Name S.J. 27-5 #53A			Location NW 5-27-5			CPS No. 1594 W		
Type & Size Bit Used 1 3/4" Rock			2" x 60" Duriron			Work Order No. 57895-21-50-20		
Anode Hole Depth 385 Log 364		Total Drilling Rig Time		Total Lbs. Coke Used 3600		Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth	# 1 340	# 2 330	# 3 295	# 4 285	# 5 275	# 6 265	# 7 255	# 8 245
Anode Output (Amps)	# 1 3.5	# 2 4.5	# 3 3.0	# 4 3.6	# 5 4.4	# 6 3.6	# 7 3.3	# 8 2.8
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18
Total Circuit Resistance Volts 12.3		Amps 18.0		Ohms .68		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used

Remarks: STATIC c/s 600' S = .95 160MA + u = OK

Driller said water at 110' drilled to 120 caught water sample
NEXT AM. Drilled to 385' with air and water injection.
Logged 364' Inst 370' OF vent Pipe with 280' OF Perforation.
Slurried 3600 pounds OF coke

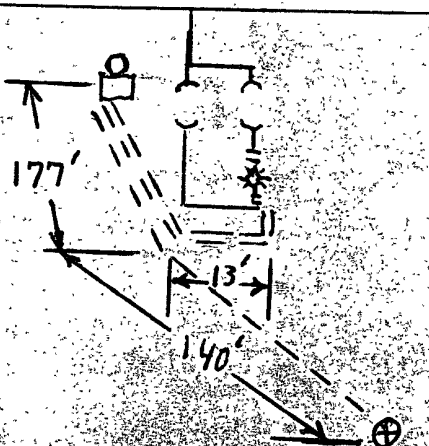
Hole credit = -136' ✓
Extra cable = 387' ✓
Ditch + cable = 330' ✓
25' meter Pole ✓
400 16A Rect ✓

All Construction Completed

Robert Balrick
(Signature)

GROUND BED LAYOUT SKETCH

	Reg	O.T
7-6	8	2 ✓
7-7	8	4 ✓



DISTRIBUTION:

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

6579

1594W S.J. 27-5#53A NW-5-27-5-57895-21-50-20
 STATIC g/s 600'S = .95V 160 MA + u = OK

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

110	.4	280	1.2	DRILLER SAID WATER AT 110' CAUGHT WATER SAMPLE DRILLED TO 385' LOGGED 364' DRILLED FROM WATER TO 385' AIR + WATER INJ. INST 370' VENT PIPE WITH 280' OF PERF.
	.4		1.2 - 4	
20	.5	90	1.0	
	1.0		1.0 - 3	
30	1.1	300	.7	
	1.1		.5	
40	1.2	10	.5	
	1.4		.6	
50	1.3	20	.8	
	.8		1.2	
60	.7	30	1.4 - 2	
	.7		1.3	
70	.6	40	1.2 - 1	
	.5		1.2	
80	.5	50	1.3	
	1.0		1.2	
90	1.3	60	1.1	364 TO
	1.2			
200	1.3	70		
	1.5			
10	1.4	80		
	1.5			
20	1.3			
	1.2 - 10			
30	1.0			12.3 V @ 18.0 A = .68 ohms
	1.1 - 9			
40	.8			
	1.0 - 8			
50	1.0			① 340 - 2.0 - 3.5 ② 330 - 2.7 - 4.5 ③ 295 - 1.9 - 3.0 ④ 285 - 2.0 - 3.6 ⑤ 275 - 2.5 - 4.4 ⑥ 265 - 2.2 - 3.6 ⑦ 255 - 1.6 - 3.3 ⑧ 245 - 1.5 - 2.8 ⑨ 235 - 1.6 - 3.0 ⑩ 225 - 2.2 - 3.6
	1.1 - 7			
60	1.2			
	1.4 - 6			
70	1.3			
	1.2 - 5			
	1.3 -			

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

Analysis No. 1-10240

Date 7-15-81

Operator EPNG

Well Name SJ 27-5 #53A .110 ft. CPS #1594-W

Location NW 5-27-5

County Rio Arriba State New Mexico

Field Blanco

Formation _____

Sampled From _____

Date Sampled 7-7-81

By Robert J. Babnick

Tbg. Press. _____

Csg. _____

Surface Csg. Press. _____

Sodium 1026 ppm

44.6 epm

Chloride 20 ppm

.6 epm

Calcium 21

1.1

Bicarbonate 1830

30

Magnesium 6

.5

Sulfate 750

15.6

Iron _____

Carbonate 0

0

H₂S Absent

Hydroxide 0

0

cc: R. A. Ullrich

E. R. Paulek

J. W. McCarthy

J. D. Evans

W. B. Shropshire

D. C. Adams

File

Total Solids Dissolved 3160

pH 8.3

Sp. Gr. .9963

At _____

60°F

Resistivity 400

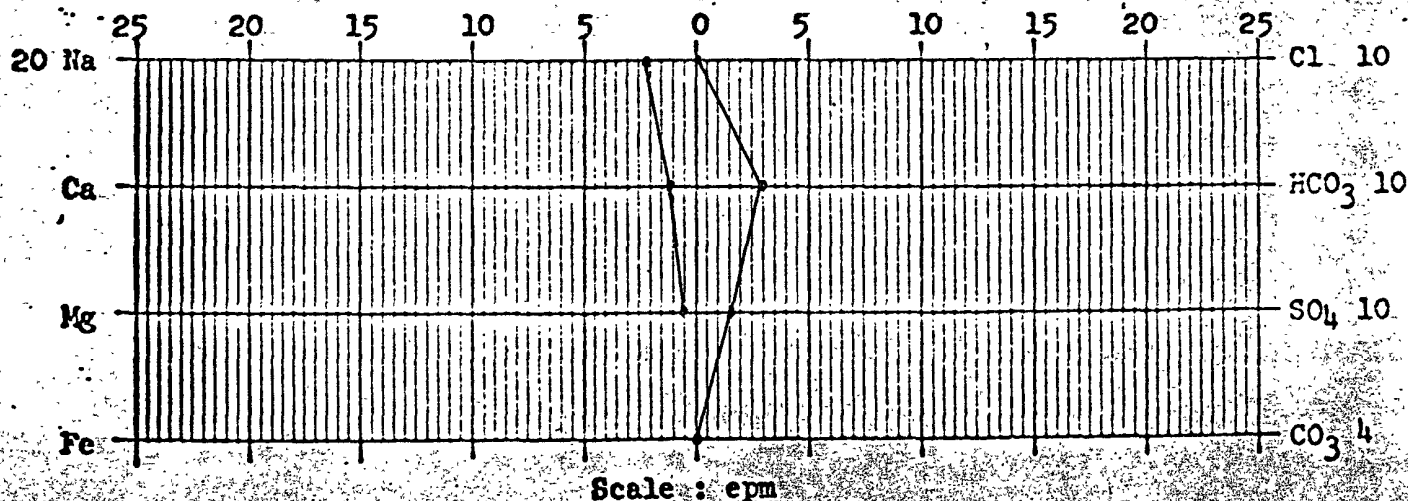
ohm-cm at _____

74°F

HCO₃ taken to pH₄

Debbie Denetclaw
Chemist

RZE



LEASE

WELL NO.

CONTRACTOR

RIG: NO.

REPORT NO.

DATE 7-7

198

MORNING

MORNING
ST 29-5 #183A

DAYLIGHT

DAYLIGHT

[illegible]

EVENING

100

Driller				Total Man In Crew				Driller				Total Man 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	10	OB			120	165	51 W/55-R-BL								
10	50	55			165	315	51-R-BL								
50	110	55 W/54			315	345	55-LB								
110	120	51 W/55			345	385	55-R								
BIT NO.				NO. DC				SIZE				LENG.			
S. L. NO.				NO. DC				SIZE				LENG.			
SIZE				STANDS				SINGLES				STANDS			
TYPE				DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY			
MAKE				TOTAL DEPTH				TOTAL DEPTH				TOTAL DEPTH			
MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				MUD RECORD				MUD, ADDITIVES USED AND RECEIVED			
Time	Wt.	Vis.		Time	Wt.	Vis.		Time	Wt.	Vis.		Time	Wt.	Vis.	
TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN			
FROM	TO			FROM	TO			FROM	TO			FROM	TO		
REMARKS -				REMARKS -				REMARKS -				REMARKS -			
Water at 10															
Water sample 110'															
Logged 364'															

SIGNED: Toolpusher

Company Supervisor