

7792

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30-039-22184

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. 4 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #52A

cps 1593w

Elevation 6540' Completion Date 7/8/81 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. 90', 190' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4000 lbs.

Depths anodes placed: 375', 365', 355', 310', 300', 285', 250', 240', 230', 220'

Depths vent pipes placed: 400'

Vent pipe perforations: 320'

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 7-8-81

Well Name S.J. 27-5 # 52A		Location NW 4-27-5		CPS No. 1593 W	
Type & Size Bit Used 6 3/4" Rock		2" x 60" Duriron Anodes		Work Order No. 184-57894-21-50-20	
Anode Hole Depth 400 Log 400	Total Drilling Rig Time	Total Lbs. Coke Used APPROX 4000	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	375	365	355	310	300
	# 6	# 7	# 8	# 9	# 10
	285	250	240	230	220
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.7	3.9	4.1	2.9	3.6
	# 6	# 7	# 8	# 9	# 10
	2.9	3.0	4.1	3.3	3.2
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	Volts 12.1		Amps 18.0		Ohms 67
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: STATIC $\frac{1}{2}$ 600' N = .86V 420mA + u = OK

Driller said water at 90' caught water sample Drilled to 400' second water at 190' total water approx 30 GPM Logged 400' INST 10 ANODES AND SLURRIED APPROX 4000 LBS Bulk coke. 400' VENT Pipe 320 FT perforated

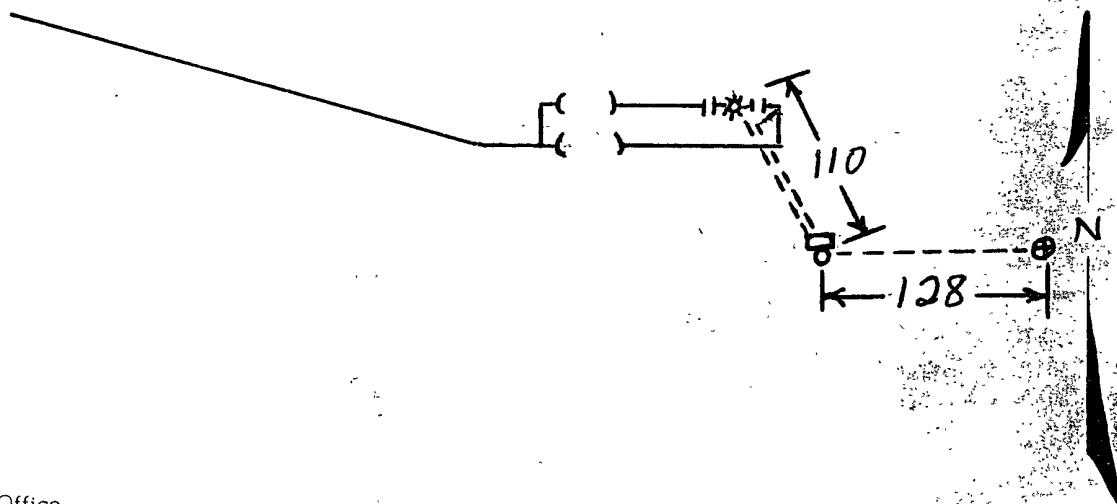
Hole depth = -100
Extra cable = 130
Ditch $\frac{1}{2}$ cable = 238
STUB Pole
40V 16A RECT

All Construction Completed

Rahad J. Bahner
(Signature)

GROUND BED LAYOUT SKETCH

	Reg	OT
7-8	8	3



DISTRIBUTION:

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

6540

1593 W SJ 27-5 #52A NW-4-27-5
 STATIC 43 N=.86 420 MAT U-O-K
 184-57894-21-50-20-

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

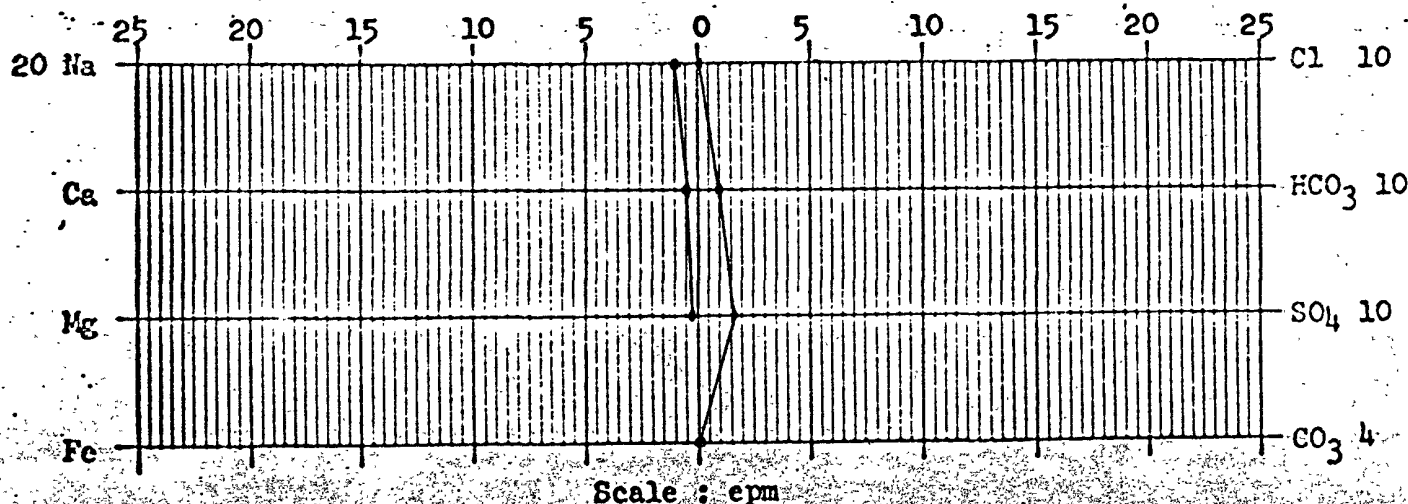
MW	MISC gals/mol
32 00	O ₂ 3.37
28 01	CO 4.19
44 01	CO ₂ 6.38
64 06	SO ₂ 5.50
34 08	H ₂ S 5.17
28 01	N ₂ 4.16
2 02	H ₂ 3.38

80	.6	250	1.0	7	Driller said water at 90' caught
	.5		.7		water sample drilled to 400'
90	1.0	60	.7		Second water at 180-190 FT
	1.1		.6		TOTAL WATER 30 GPM
100	.9	70	.8		Logged 400 FT
	.7		.9		INST 400 FT OF vent Pipe with
10	.5	80	1.0	6	320 FT PERF.
	.4		1.1		4000 LBS coke approx (estimate
20	.5	90	.8		coke Hauled in Bulk)
	.4		.4		
30	.5	300	1.1	5	
	1.2		1.1		
40	1.2	10	1.1	4	
	1.3		1.0		
50	1.2	20	.8		
	.7		.8		
60	.7	30	.7		
	.7		.6		
70	.6	40	.6		
	.4		.6		
80	.3	50	1.0		① 375-2.2-3.7
	.3		1.4	3	② 365-2.2-3.9
90	.3	60	1.4		③ 355-2.3-4.1
	.4		1.3	2	④ 310-1.6-2.9
200	1.0	70	1.3		⑤ 300-1.8-3.6
	1.1		1.4	1	⑥ 285-1.6-2.9
10	1.1	80	1.3		⑦ 250-1.6-3.0
	1.1		1.1		⑧ 240-2.2-4.1
20	1.1	90	1.3		⑨ 230-1.7-3.3
	1.0				⑩ 220-1.6-3.2
30	1.1	400			12.1 V @ 18.0 A = .67 ohms
	1.1				
40	1.3				
	1.1				

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

Analysis No. 1-10247 Date 7-15-81
Operator EPNG Well Name SJ 27-5- #52A 85 ft. CPS 1593-W
Location NW 4-27-5 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From _____
Date Sampled 7-8-81 By Robert J. Babnick
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 451 ppm 19.6 epm Chloride 16 ppm .5 epm
Calcium 10 ppm .5 epm Bicarbonate 586 ppm 9.6 epm
Magnesium 4 ppm .3 epm Sulfate 750 ppm 15.6 epm
Iron _____ Carbonate 0 ppm 0 epm
H₂S Absent Hydroxide 0 ppm 0 epm
cc: R. A. Ullrich Total Solids Dissolved 1908
E. R. Paulek
J. W. McCarthy pH 8.3
J. D. Evans
W. B. Shropshire Sp. Gr. 1.107 At 60°F
D. C. Adams Resistivity 392 ohm-cm at 78 °F
File

Debbie Demetelaw RZE
Chemist



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

52-A

1593 W

WELL NO. 5327-5 CONTRACTOR Stacy Drilling RIG NO. 190 DATE 7-8 1981

MORNING										EVENING									
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	5	OB			125	170	54-BL-R			285	305	55 W/54							
5	80	SS			170	215	55			305	360	54 W/55							
80	105	54-W/55			215	245	55 W/54			360	400	54-R							
105	125	55			245	285	54												
NO. DC					NO. DC					NO. DC					NO. DC				
SIZE					SIZE					SIZE					SIZE				
STANDS					STANDS					STANDS					STANDS				
SINGLES					SINGLES					SINGLES					SINGLES				
DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY				
TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH				
MUD RECORD					MUD RECORD					MUD RECORD					MUD RECORD				
TIME					TIME					TIME					TIME				
Wt.					Wt.					Wt.					Wt.				
Vis.					Vis.					Vis.					Vis.				
TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN				
FROM					FROM					FROM					FROM				
TO					TO					TO					TO				
REMARKS -					REMARKS -					REMARKS -					REMARKS -				
Water at 90'																			
Water at 190'																			
8 PM 30 gal.																			

SIGNED: Toolpusher W Stacy Company Supervisor