

1386

34A-30-039-22230

34E-30-039-23847

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. 18 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #34A, #34E

cps 1602w

Elevation 6604' Completion Date 7/14/81 Total Depth 390' 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. 120' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3300 lbs.

Depths anodes placed: 365', 355', 340', 330', 310', 300', 290', 225', 170'

Depths vent pipes placed: 380'

Vent pipe perforations: 280'

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). ☐ 34E

Completion Date 7-14-81

Well Name San Juan 28-5 UNIT #34A		Location SE 18-28-5		CPS No. 1602 W	
Type & Size Bit Used 6 3/4" Rock		Anodes - 2" x 60" Duriron		Work Order No. 57926-21-50-20	
Anode Hole Depth 390-389 Log	Total Drilling Rig Time	Total Lbs. Coke Used 3300 APPROX	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 365	# 2 355	# 3 340	# 4 330	# 5 310	# 6 300
# 7 290	# 8 225	# 9 200	# 10 170		
Anode Output (Amps)					
# 1 2.6	# 2 3.0	# 3 3.0	# 4 3.9	# 5 3.0	# 6 3.1
# 7 2.4	# 8 2.5	# 9 3.4	# 10 2.8		
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 11.9	Amps 16.9	Ohms .70			

Remarks: Static $\frac{1}{2}$ 600' w = .80 OMA+ UNION = OK SECOND INS AT Delhyd
Driller said water at 110 FT drilled 120 FT caught water sample
over night. Drilled to 390 FT Air @ water in; Logged 389 FT
INST 380' vent pipe with 280' Perf. SLurried APPROX.
3300 Lbs OF Bulk coke. Total water approx 26 PM.

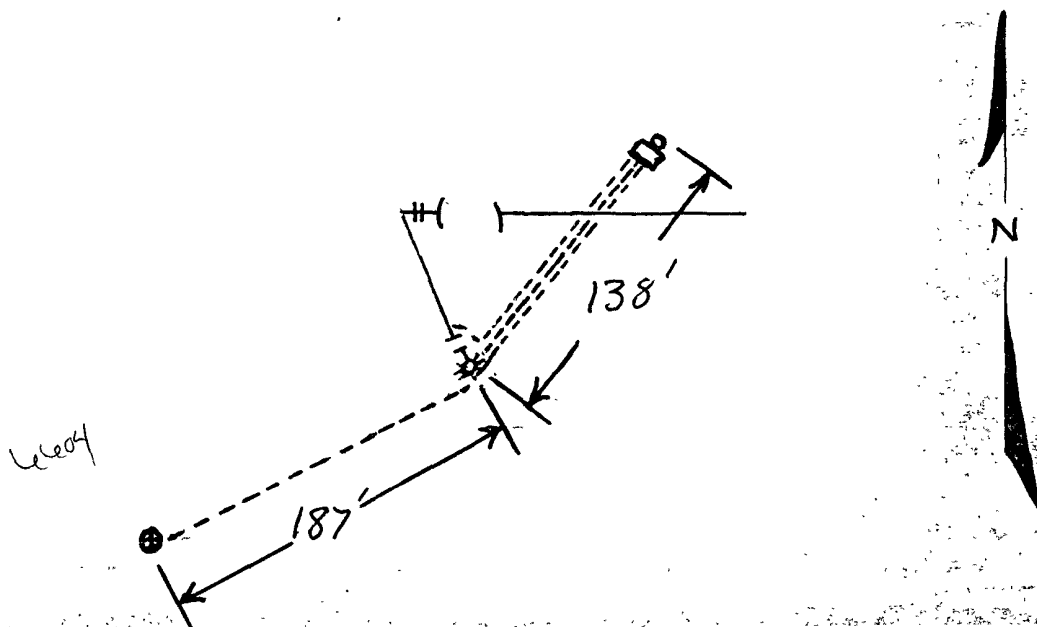
Hole depth = 111
extra cable = 296
Pitch $\frac{1}{2}$ cable = 325
25 FT meter pole
400 16A Rect

All Construction Completed

Robert J. Belmont
(Signature)

GROUND BED LAYOUT SKETCH

	Reg.	O.T.
7-14	8	2



DISTRIBUTION:

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

602W

San Juan 28-5 unit #34A SE18-28-5

57926-21-50-2D

Static @ 600' W = .80

MAT

UNIDN = OK Second

.70 at tree

INS AT Dehydrator

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

138
187

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

110	.7	290	1.0 - 7	DRILLER SAID WATER AT 110 FT Drilled
	.7		1.0	120 FT CAUGHT WATER SAMPLE
20	.8	300	1.1 - 4	NEXT AM. Drilled TO 390 FT
	1.3		1.1	AIR & WATER INJECTION LOGGED
30	1.4	10	1.1 - 5	389 FT INST. 380' Vent Pipe
	1.5		.9	WITH 280' PERF SLURRIE & APPROX
40	1.6	20	1.0	3300 LBS BAKK COKE
	1.6		1.1	TOTAL WATER APPROX 26 PM
50	1.6	30	1.2 - 4	
	1.6		1.2	
60	1.7 -	40	1.1 - 3	
	1.5 -		1.0	
70	1.3 - 10	50	1.0	
	.9		1.1 - 2	
80	.4	60	1.1	
	.3		1.1 - 1	
90	.4	70	1.1	
	.8		1.3	
200	1.3 - 9	80	1.2	
	1.1		1.0	
10	.9			389 TD
	.4			
20	1.1			① 365 - 1.5 - 2.6
	1.2 - 8			② 355 - 1.7 - 3.0
30	.7			③ 340 - 1.3 - 3.0
	.6			④ 330 - 1.8 - 3.9
40	.3			⑤ 310 - 1.3 - 3.0
	.4			⑥ 300 - 1.6 - 3.1
50	.2			⑦ 290 - 1.2 - 2.4
	.4			⑧ 225 - 1.3 - 2.5
60	1.0 - 7			⑨ 200 - 1.7 - 3.4
	.7			⑩ 170 - 1.6 - 2.8
70	.4			
	.3			11.9 V @ 16.9 A = .70 ohms
80	.4			
	1.0			

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

Analysis No. 1-10273 Date 7-28-81
Operator El Paso Natural Gas Well Name S.J. 28-5 #34A CPS 1602-W
Location SE 18-28-5 County Rio Arriba State New Mexico
Field Blanco Formation _____

Sampled From 110 ft.

Date Sampled 7-14-81 By Robert J. Babnick

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

ppm epm Sodium <u>366</u> <u>15.9</u>	ppm epm Chloride <u>8</u> <u>.2</u>
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Calcium <u>9</u> <u>.5</u>	Bicarbonate <u>398</u> <u>6.5</u>
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Magnesium <u>.5</u> <u>.04</u>	Sulfate <u>456</u> <u>9.5</u>
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Iron _____	Carbonate <u>5</u> <u>.2</u>
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H ₂ S <u>Absent</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

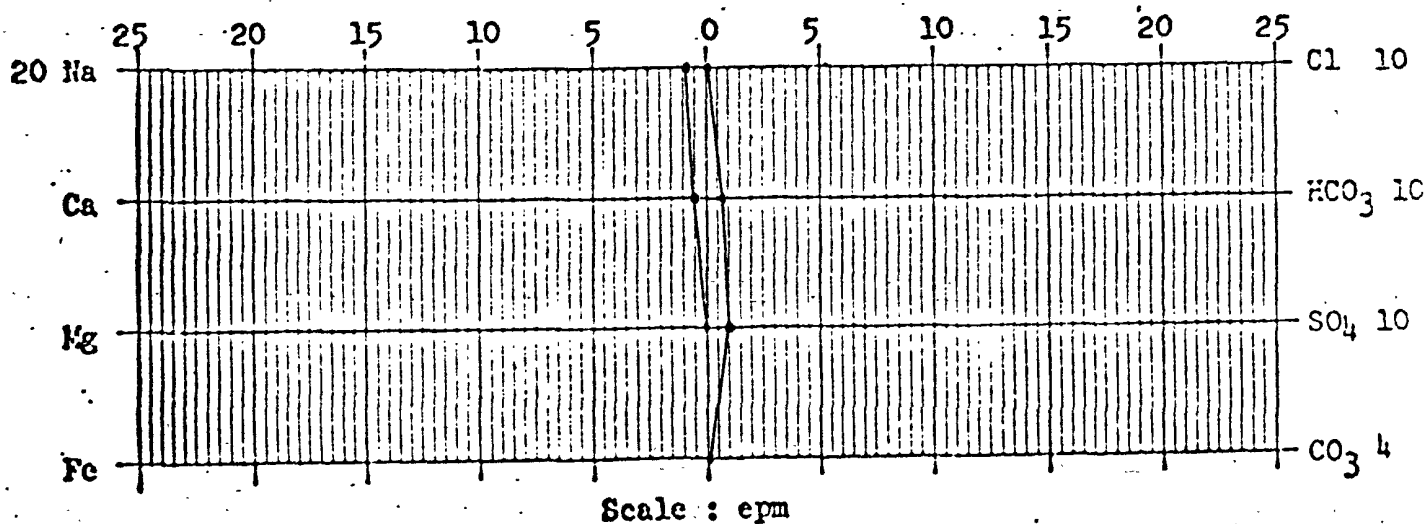
Total Solids Dissolved 1104

pH 8.45

Sp. Gr. 1.0023 At _____ 60°F

Resistivity 662 ohm-cm at _____ 73°F

Debbie Demetrian PZE
Chemist



DAILY DRILLING REPORT

1602 W 5528-5 #34H
LEASE WELL NO. CONTRACTOR *Stanley R. Dalling* RIG NO. REPORT NO. DATE 7-14 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	015			165	190	SS			220	275	SS							
5	110	SS w/SH			190	200	SH			275	320	SS w/SH							
110	115	SS			200	210	SS w/SH			320	330	SH							
115	165	SH			210	220	SS w/SH			330	365	SS w/SH							
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, ADDITIVES USED AND RECEIVED					MUD RECORD					MUD, ADDITIVES USED AND RECEIVED					MUD RECORD				
Time					WT. VIS.					Time					WT. VIS.				
365 - 375					SH														
375 - 380					SS w/SH														
FROM					TO					FROM					TO				
TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN				
REMARKS -										REMARKS -									
Water 110																			
logged 369																			
2 gal per minute																			

SIGNED: Toolpusher *Alfred H. H. H.*

Company Supervisor