

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
Anode Depth	# 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
Anode Output (Amps)	# 6 3.1	# 7 2.4	# 8 2.5	# 9 3.4	# 10 2.8
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	Volts 11.9		Amps 16.9		Ohms .70
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Static $\frac{4}{5}$ 600' w = .80 OMA+ UNION = OK SECOND INS AT DeHyd
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
Ditch & cable = 325
25 FT meter pole
400 16A Rect

All Construction Completed

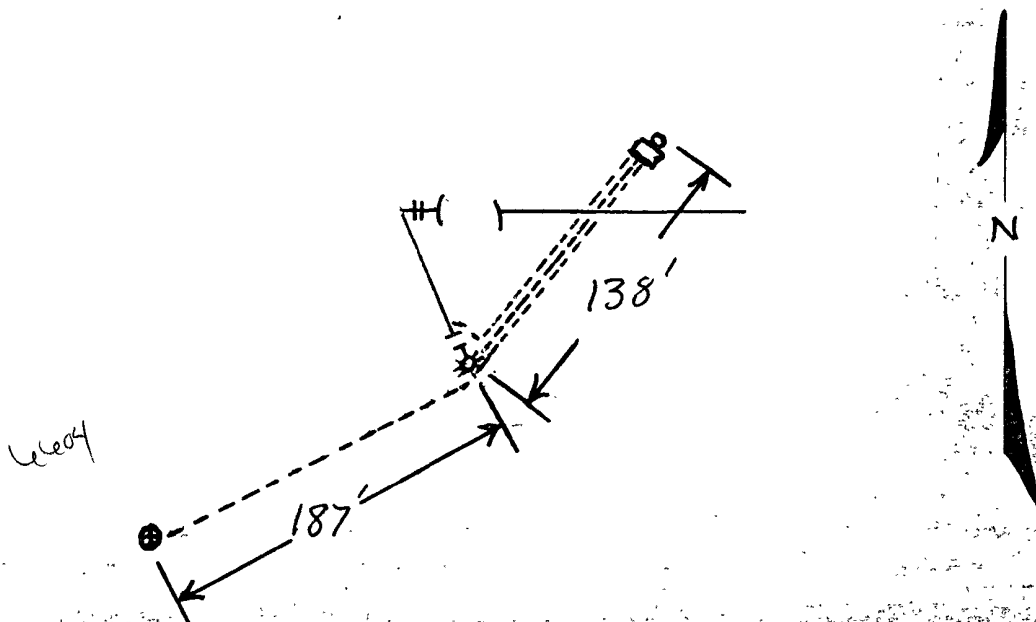
Robert J. Schmidt
(Signature)

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

57926-21-50-20

$$\text{Static } \frac{c}{s} \text{ } 600' W = .80$$

6 MAT

UNIDAJ = 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 ²	9 64
42.08	C ₃ ²	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

DEPTH	TEMP	DEPTH	TEMP	REMARKS
10	.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 SLURRIED APPROX
40	1.6	20	1.0	3300 LBS BAKED 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			
	1.2 - 8			
30	.7			
	.6			
40	.3			
	.4			
50	.2			
	.4			
60	1.0 - 7			
	.7			
70	.4			
	.3			
80	.4			
	1.0			

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
365 - 1.5 - 2.6	355 - 1.7 - 3.0	340 - 1.3 - 3.0	330 - 1.8 - 3.9	310 - 1.3 - 3.0	300 - 1.6 - 3.1	290 - 1.2 - 2.4	225 - 1.3 - 2.5	200 - 1.7 - 3.4	170 - 1.6 - 2.8

11.9 V @ 16.9 A = .70 ohms

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. _____

Sodium 366 ppm 15.9 epm

Chloride 8 ppm .2 epm

Calcium 9 .5 epm

Bicarbonate 398 6.5 epm

Magnesium .5 .04 epm

Sulfate 456 9.5 epm

Iron _____

Carbonate 5 .2 epm

H₂S Absent

Hydroxide 0 0 epm

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

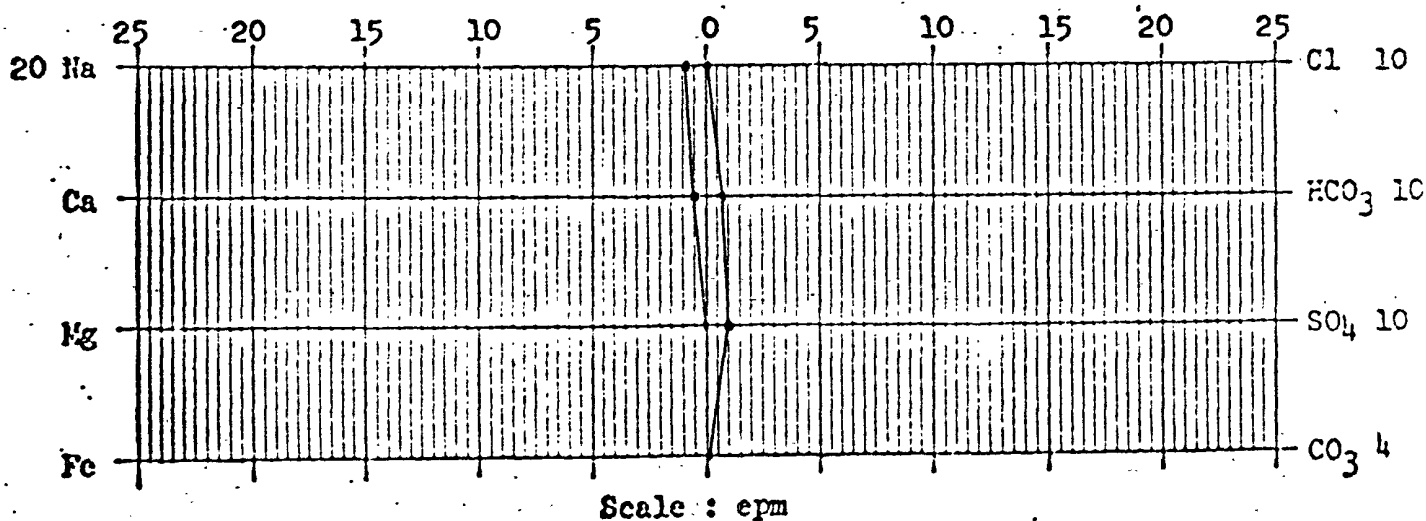
Total Solids Dissolved 1104

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 *Shirley Drilling* RIG NO. REPORT NO. DATE 7-14 1981

MORNING						DAYLIGHT						EVENING											
Driller				Total Men In Crew				Driller				Total Men In Crew											
FROM	TO	FORMATION	WT-BIT	R.P.M.	TIME	FROM	TO	FORMATION	WT-BIT	R.P.M.	TIME	FROM	TO	FORMATION	WT-BIT	R.P.M.	TIME						
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.	BIT NO.					NO. DC	SIZE	LENG.
S. L. NO.					STANDS	S. L. NO.					STANDS	S. L. NO.					STANDS	S. L. NO.					STANDS
SIZE					SINGLES	SIZE					SINGLES	SIZE					SINGLES	SIZE					SINGLES
TYPE					DOWN ON KELLY	TYPE					DOWN ON KELLY	TYPE					DOWN ON KELLY	TYPE					DOWN ON KELLY
MAKE					TOTAL DEPTH	MAKE					TOTAL DEPTH	MAKE					TOTAL DEPTH	MAKE					TOTAL DEPTH
MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED								
Time		WT.	Vis.	Time		WT.	Vis.	Time		WT.	Vis.	Time		WT.	Vis.	Time		WT.	Vis.				
FROM		TO		FROM		TO		FROM		TO		FROM		TO		FROM		TO					
TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN											

REMARKS -

Water 110

Logged 389

2 gal per min.

SIGNED: Toolpusher *Alfred Shirley*

Company Supervisor