

4991

30-039-21682

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. 7 Twp 28 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #12A

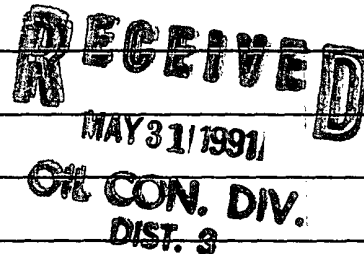
cps 1370w

Elevation 6821 Completion Date 9/21/79 Total Depth 280' 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. 260'Depths gas encountered: N/AType & amount of coke breeze used: 28 SACKSDepths anodes placed: 265'Depths vent pipes placed: 280'Vent pipe perforations: 60'Remarks: gb #2

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

CONTRACT 2

Drilling Log (Attach Hereto). ☐

Completion Date 9-21-79

Well Name SJ28-L #12A		Location SE7-28-6		CPS No. 1370W	
Type & Size Bit Used 6 3/4"		2" x 60" Duriron		Work Order No. 57383.21	
Anode Hole Depth 610 - 600+0	Total Drilling Rig Time	Total Lbs. Coke Used 4600	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 565	# 2 555	# 3 545	# 4 515	# 5 505	# 6 490
# 7 480	# 8 425	# 9 415	# 10 265		
Anode Output (Amps)					
# 1 2.6	# 2 3.3	# 3 2.2	# 4 2.6	# 5 3.0	# 6 2.3
# 7 1.8	# 8 2.4	# 9 3.3	# 10 3.2		
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 11.0	Amps 15.2	Ohms .7			

Remarks: ST%SE = .86 WATER AT 260' DRILLED 610' LOGGED 600'
INST 600' OF VENT PIPE 400FT PERFORATED SLURRIED 48 SACK
OF COKE HOLE CAVED BEFORE #10 COVERED DRILLED SECOND
HOLE 280' SET #10 AT 265' SECOND HOLE CAVED BLEW
OUT AND SLURRIED 28 SACKS OF COKE. 280' VENT 60FT,

Hole depth = +100

20FT METER LOOP

40V 16A RECT

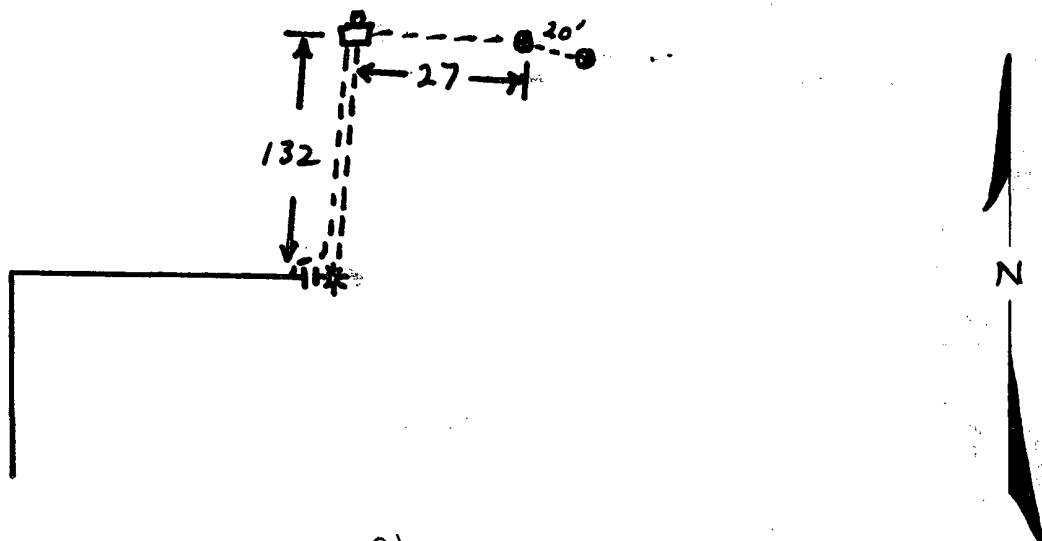
DITCH & CABLE = 159

EXTRA CABLE = 157

All Construction Completed

Robert J. Bahrick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6821

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-31-79
By: KRB
File: 1370W1370W SE 7-28-6
5528-6 #12A 57383.21 57% E = .868-31-79 - 14 hrs
9-4-79 - 2 hrs

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

250	7	455	.7
5	.9	60	.7
60	1.7	5	.7
5	1.6	70	.8
70	1.6	5	1.0
5	1.0	80	1.3-7
80	.7	5	1.1-
5	.4	90	1.1-6
90	.2	5	1.1-
5	.3	500	1.2
300	.4	5	1.5-5
5	1.0	10	1.3
10	1.3	5	1.2-4
5	1.3	20	1.1
20	.9	5	1.0
5	.4	30	1.0
30	.3	5	1.0
5	.3	40	1.0
40	.4	5	1.4-3
5	.4	50	1.6
50	.2	5	1.6-2
5	.9	60	1.8
60	1.6	5	1.5-1
5	1.8	70	1.4
70	1.9	5	1.4
5	1.6	80	1.4
80	1.4	5	.9
5	1.3	90	.9
90	1.5	5	.8
5	1.7	600	.9
400	1.4	5	
5	1.5-10	10	
10	2.0		
5	1.8-7		
20	1.6		
5	1.5-8		
30	1.1		
5	1.1		
40	.8		
5	.6		
50	.7		

Water at 260 FT DRILLED
610 FT WITH 6 3/4 BIT
Logged to 600 FT INST
600 FT OF VENT PIPE
400 FT Perforated
SLURRIED 48 SACKS OF CEMENT
DRILLED SECOND HOLE
FOR #10 ANODE TO
280' SET ANODE 265
SLURRIED 28 SACKS OF CEMENT
280' VENT PIPE 60 FT DEEP.

Hole depth = +100
20 FT Meter Loop
40 V16A Rect
Ditch & Cable = 159
EXTRA CABLE = 157

- ① 565 - 1.7 - 2.6
- ② 555 - 2.0 - 3.3
- ③ 545 - 1.3 - 2.2
- ④ 515 - 1.6 - 2.6
- ⑤ 505 - 1.6 - 3.0
- ⑥ 490 - 1.5 - 2.3
- ⑦ 480 - 1.2 - 1.8
- ⑧ 425 - 1.7 - 2.4
- ⑨ 415 - 2.4 - 3.3
- ⑩ 405 - 2.0 - 3.2

$$11.0V \ 15.2A = .7 \ ohms$$

DAILY DRILLING REPORT

NO. 1370W Redrill

O'ZBILDIR

Contract #2

RIG NO. _____

REPORT NO.

DATE 9-4-

1974

LEASE

WELL NO.

CONTRACTOR

MORNING

DAYLIGHT

EVENING

[illegible]

SIGNED: Toolpusher

O'Brien

Company Supervisor

Kurt Ledermann

Contrast #2

1979

C.P.S. 1370 W

EVENING

	NO. DC	SIZE	LENG.		NO. DC	SIZE	LENG.		NO. DC	SIZE	LENG.
ALT. NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.		NO. DC	SIZE	LENG.
SERIAL NO.	STANDS			SERIAL NO.	STANDS				STANDS		
SIZE	SINGLES			SIZE	SINGLES				SINGLES		
TYPE	DOWN ON KELLY			TYPE	DOWN ON KELLY				DOWN ON KELLY		
MAKE	TOTAL DEPTH			MAKE	TOTAL DEPTH				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.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.
0	10		25	505		430	440	Shale
10	27		305	525		440	450	Sandstone
27	31		325	540		425	495	Sandy shale
51	145		340	552		495	505	Sandstone
FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
115	150	Shale	352	368	Sandstone	505	518	Shale
150	185	Sandstone	354	365	Shale	518	527	Sand clay
185	220	Sandstone Sand Shale	365	370	Sandy shale	527	530	Shale
220	260	Sandstone-Sand-water	370	390	Sandy shale	530	535	Sandstone
260	275	Shale	390	420	Shale	535	545	Shale
275	295	Sand	420	430	Sandy shale	545	570	Sand-clay
REMARKS -			REMARKS -			REMARKS -		

REMARKS - P16

Delivered To 610 w/ 6/3/4
boxed To 600

29 Jan @ 260 ft.

Tom Bryant

Company Supervisor

Kurt Vonnegut and