

1006

36-30-039-07211

186-30-039-20582

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 6 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #36, #186
cps 1285w

Elevation 6183' Completion Date 9/14/78 Total Depth 60' Land Type* N/A

Casing, Sizes, Types & Depths 30' OF 8" PVC SURFACE CASING

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. 190' SAMPLE TAKEN

Depths gas encountered: N/A

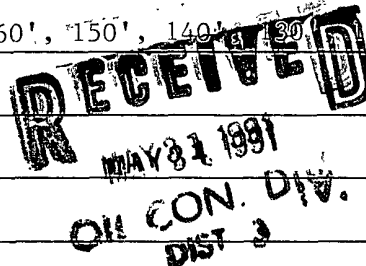
Type & amount of coke breeze used: 46 SACKS

Depths anodes placed: 300', 280', 180', 170', 160', 150', 140', 130', 120', 110'

Depths vent pipes placed: 340'

Vent pipe perforations: 260'

Remarks: gb #1



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 9-14-78

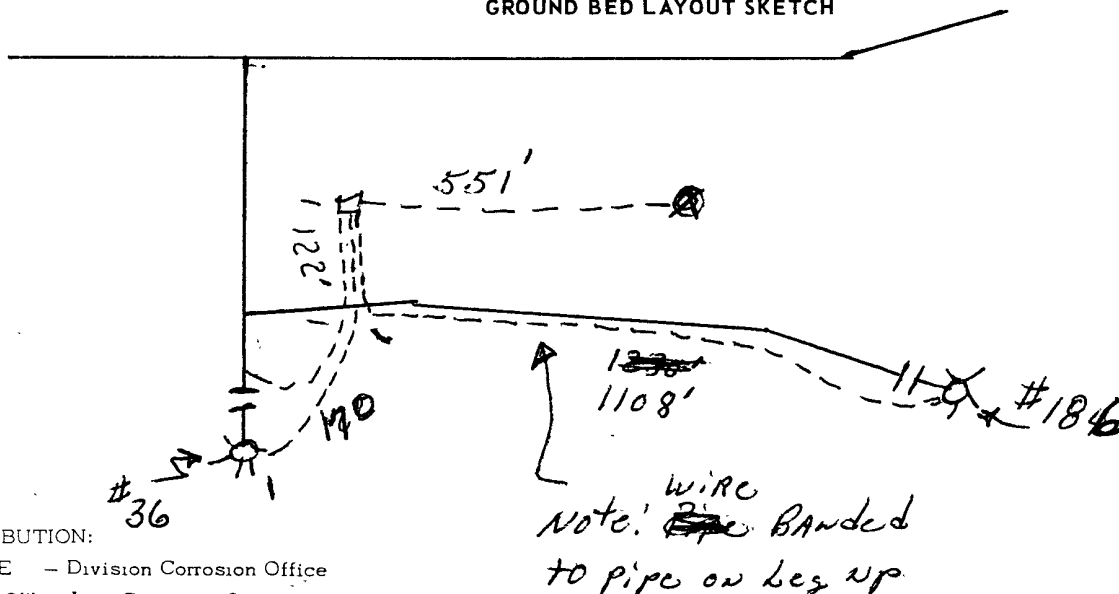
Well Name S.J. 28-6 #36 #186		Location NE 6-27-6				CPS No. 1285W			
Type & Size Bit Used 6 3/4" CONTRACT #2						Work Order No. #52705-19 #55346-19			
Anode Hole Depth Logged 360-350		Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1 300	# 2 280	# 3 180	# 4 170	# 5 160	# 6 150	# 7 140	# 8 130	# 9 120	# 10 110
Anode Output (Amps)									
# 1 2.1	# 2 2.4	# 3 3.3	# 4 4.3	# 5 3.3	# 6 2.6	# 7 2.4	# 8 2.7	# 9 3.0	# 10 3.1
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 12.1		Amps 8.7		Ohms 1.4					

Remarks: Static 600' SW #36 = 0.86. Static 600' SW #186 = 0.88. Driller said MAKING WATER @ 190'. 45' GALS PER MIN. PERFORATED 260' of 1" PVC vent Pipe. Installed 340' of 1" PVC vent Pipe. SLURRIED SACKS OF CO. Installed 30' of 8" PVC SURFACE CASING. WATER STANDING @ 90' AFTER 30 MIN. WAS 60V 30A RECTIFIER Hole Depth = -150' (Hole CAVED @ 53' WAS ABLE TO WASH BRIDGE OUT. 20' Motor Pole Ditch #1 Cable = 1951' EXTRA Cable = 414'

All Construction Completed

W F Lott
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

Note: ^{wire} ~~Pipe~~ Banded
to pipe on leg up

10183

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 160 of 160

Date: _____

By: _____

File: _____

S.J. 28-6 #36

S.J. 28-6 #186

NE6-29-6
CONTRACT #2

1285W

52705-19-50-28

55346-19-50-20

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

STATIC 600'SW #36 = 0.88
STATIC 600'SW #186 = 0.86

DRILLER SAID MAKING WATER @ 190'. GALS PER
PERFORATED 260' OF 5" PVC VENT PIPE
INSTALLED 340' OF 5" PVC VENT PIPE
SLURRED 46 SACKS OF COKE
INSTALLED 30' OF 8" SURFACE CASING P.V.C.

180	1.4	③	60	Aster 30' WATER STANDING	90
	1.2				
90	.9		70		95 1.8
	1.0				-100 2.1
200	.6		80		1 1.5
	.5				-10 1.8 ⑩
10	.5		90		1.5
	.5				-20 1.3 ⑨
20	.5		400		1.3
	.5				-30 1.3 ⑧
30	.5				1.1
	.5				
40	.6				
	.6				
50	.6				
	.6				
60	.7				
	.8				
70	.7				
	.9				

Hole CAVED @ 53'
Washed BRIDGE OUT

60V 30A Rectifier

20' meter Pole

Hole Depth = -150'

Ditch's 1 Cable = 1951'

EXTRA Cable = 414'

80	1.3	②	①	300	1.2	2.1
	.7		②	280	1.4	2.4
90	.7		③	180	1.9	3.3
	1.0		④	170	2.7	4.3
300	1.1	①	⑤	160	1.8	3.3
	.8		⑥	150	1.4	2.6
10	.5		⑦	140	1.3	2.4
	.5		⑧	130	1.5	2.7
20	.6		⑨	120	1.7	3.0
	.6		⑩	110	1.8	3.1
30	.6					
	.6					
40	.5					
	.5					
50	.5	⑩				

VOLTS = 12.1

AMPS = 8.7

OHMS = 1.4

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

Analysis No. 1-9349 Date 11-8-78

Operator _____ Well Name San Juan 28-6 #36 & 186

Location NE6-27-6 County Rio Arriba State NM

Field _____ Formation _____

Sampled From CPS 128 W WTR @ 170 45 GPM

Date Sampled _____ By _____

Tbg. Press. _____	Csg. Press. _____	Surface Csg. Press _____
ppm	epm	ppm epm

Sodium <u>966</u>	42	Chloride <u>20</u>	.6
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Calcium <u>154</u>	8	Bicarbonate <u>390</u>	6
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Magnesium <u>0</u>	0	Sulfate <u>2060</u>	43
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Iron <u>PRESENT</u>		Carbonate <u>0</u>	0
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

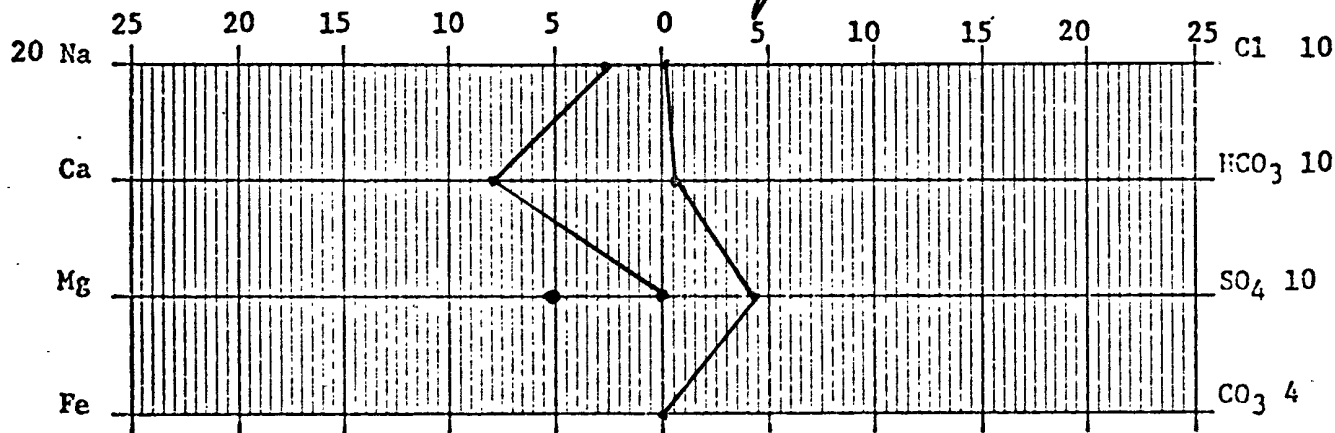
Total Solids Dissolved 3086

pH 7.7

Sp. Gr. 1.0037 at 60°F

Resistivity 320 ohm-cm at 71°F

Joe Barnett
Chemist RJE



Scale: epm

DAILY DRILLING REPORT 3

Contract #2

LEASE

WELL NO. 1285 CONTRACTOR

CONTRACTOR

RIG NO. 2

REPORT NO.

DATE SEP 14 1978

MORNING

DAYLIGHT

EVENING

[illegible]

	NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____
BITS	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH

[illegible]

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	28	Sand	186	190	Shale & (Waty. Sand)	350	355	Shale
28	40	Sandstone & Shale	190	240	Sandy Shale			
40	80	Shale	240	280	Shale			
8	120	Sandy Shale	280	300	Sandy Shale			
120	160	Sandstone	300	340	Shale			
160	180	Shale	340	350	Sandy Shale			

REMARKS -

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SIGNED: Toolpusher

____ Company Supervisor