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454

30-045-22425

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. 27 Twp 31 Rng 9

Name of Well/Wells or Pipeline Serviced SCHWERDTFEGER #2A

cps 1257w

Elevation 6277' Completion Date 6/2/78 Total Depth 385' 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. 170' & 210'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 370', 360', 350', 340', 305', 295', 285', 265', 255', 245'

Depths vent pipes placed: 375'

Vent pipe perforations: 220'

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 6-2-78

Well Name <u>Schwerdtfeger #2-A</u>		Location <u>NW 27-31-9</u>		CPS No. <u>12574</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57188-21</u>	
Anode Hole Depth <u>385</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>370</u>	# 2 <u>360</u>	# 3 <u>350</u>	# 4 <u>340</u>	# 5 <u>305</u>	# 6 <u>295</u>
# 7 <u>285</u>	# 8 <u>265</u>	# 9 <u>255</u>	# 10 <u>245</u>		
Anode Output (Amps)					
# 1 <u>3.4</u>	# 2 <u>3.9</u>	# 3 <u>4.1</u>	# 4 <u>3.8</u>	# 5 <u>2.9</u>	# 6 <u>3.3</u>
# 7 <u>3.4</u>	# 8 <u>2.8</u>	# 9 <u>3.2</u>	# 10 <u>3.4</u>		
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 <u>11.7</u>	Amps <u>12.8</u>	Ohms <u>0.91</u>			

Remarks: Static 600' W = 0.82. DRILLER SAID MAKING WATER @ 170' & 210'. DRILLED
to 250'. Next A.M. water standing @ 180'. 3 GALS PER MIN.
PERFORATED 220' of 1" PVC vent pipe. Installed 375' of 1" PVC vent pipe

40V 16A Rectifier

Stub Pole

Ditch & 1 cable = 316'

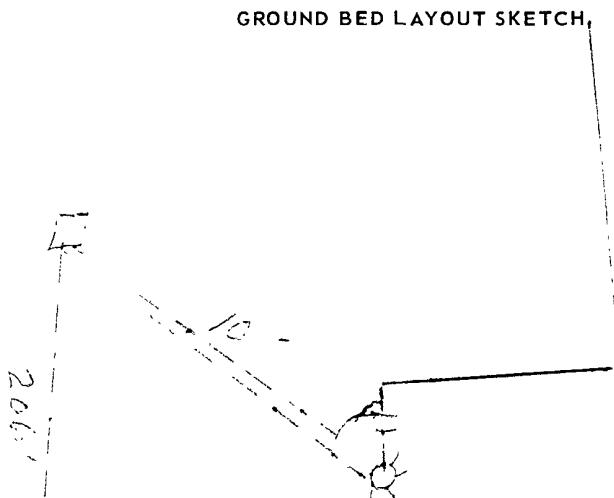
EXTRA cable = 110'

Hole Depth = 115'

All Construction Completed

W F Lutz
(Signature)

GROUND BED LAYOUT SKETCH



6277'

DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

395
170
225

Schwerdtfeger # 2-A

NW 27-31-9

1257N

57188-21

Static 600' w = 0.82

HOVIBO Rectifier

Stub Pole

Ditch #1 Cable = 316'

Extra Cable = 110'

Hole Depth = 115'

DRILLER SAID MAKING WATER @ 170' 5210' NEXT
DRILLING TO 250'
AM. WATER STANDING @ 180' 3 GALS PER MIN

PERFORATED 220' 0.51" PVC VENT PIPE

INSTALLED 375' 0.51" PVC VENT PIPE

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

1 80	4.0.7	10	2.0
	1.2		1.6
90	1.2	20	.8
	1.2		.7
2 00	1.0	30	.6
	1.2		1.6
10	1.7	40	2.7
	1.8		2.6
20	1.9	50	2.7
	1.9		2.8
30	1.6	60	2.8
	1.4		2.9
40	1.9	70	2.5
	2.5		2.5
50	2.4	80	2.1
	2.3		1.3

TDS DRILLING

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

60	2.1	90	① 370	2.6	3.4
	1.9		② 360	3.1	3.9
70	1.7	400	③ 350	3.1	4.1
	1.7		④ 340	2.8	3.8
80	2.1	10	⑤ 305	2.3	2.9
	2.4		⑥ 295	2.4	3.3
90	2.4	20	⑦ 285	2.4	3.4
	2.4		⑧ 265	2.0	2.8
3 00	2.3		⑨ 255	2.2	3.2
	2.3		⑩ 245	2.4	3.4

TDS 11.7

ARDS 2.8

OHMS 0.91

DAILY DRILLING REPORT

12574
LEASE

WELL NO. 12574 CONTRACTOR

O'Brian

RIG NO.

REPORT NO.

DATE June 2

19 78

MORNING					DAYLIGHT					EVENING					
Driller		Total Men In Crew			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.	
BIT NO.		NO. DC		SIZE	LENG.		BIT NO.		NO. DC		SIZE		LENG.		
SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		TOTAL DEPTH		BIT NO.		NO. DC		SIZE	
TYPE		MAKE		NO. DC		SIZE		LENG.		STANDS		SINGLES		DOWN ON KELLY	
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.			
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			
0	1	Sand			225	255	Shale			305	335	Shale Sand Stone sticks			
1	27	Sand Stone Travel			255	275	Sand								
27	38	Shale			275	320	Sand Shale								
38	150	Sand dp dp wet 19pm			320	335	Sand Stone Hard								
150	215	Shale			335	355	Shale								
215	225	Sand wet 29pm			358	363	Sand Stone								
REMARKS -					REMARKS -					REMARKS -					
										4 to 385 logged to 380 Est 39pm					

SIGNED: Toolpusher

er Tom Bryant

Company Supermarket