

490

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136-30-039-20038

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. 11 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #136'

cps 1148w

Elevation 6685' Completion Date 8/19/77 Total Depth 590' 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. 265' 375' 395'

Depths gas encountered: N/A

Type & amount of coke breeze used: 75 SACKS

Depths anodes placed: 510', 500', 490', 480', 470', 460', 420', 400', 390', 380'

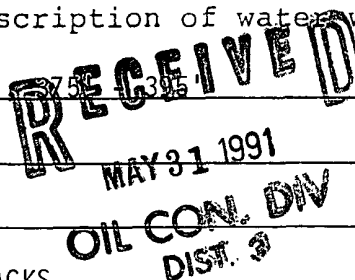
Depths vent pipes placed: 510'

Vent pipe perforations: 200'

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 8-19-77

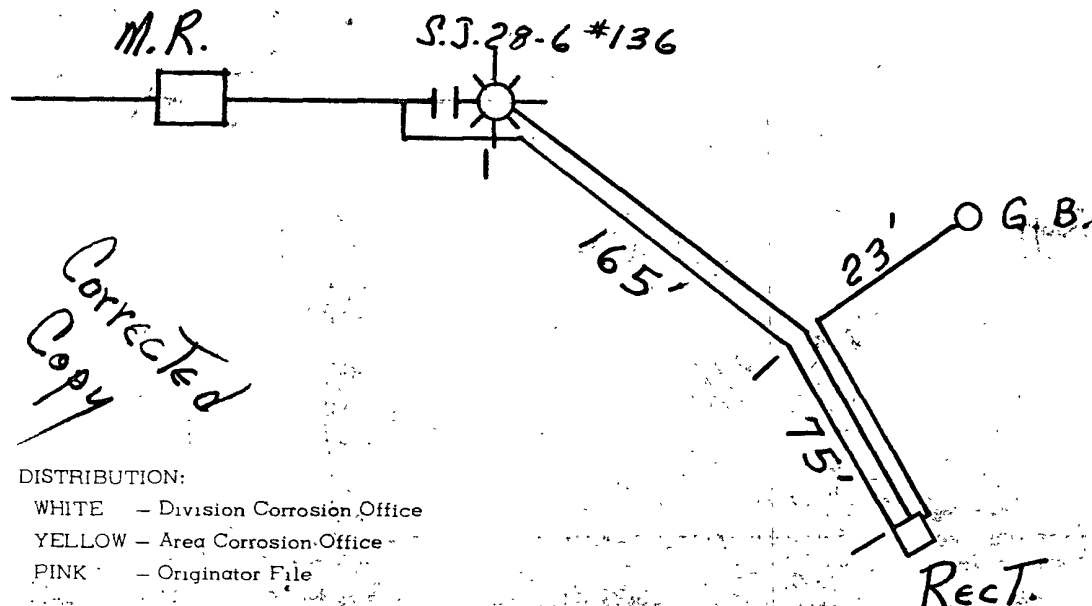
Well Name <u>S.I. 28-6 #136</u>		Location <u>SE 11-28-6</u>		CPS No. <u>1148-W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>184-54525-19</u>	
Anode Hole Depth <u>560'</u> <u>Logged 560'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>510</u>	# 2 <u>500</u>	# 3 <u>490</u>	# 4 <u>480</u>	# 5 <u>470</u>	# 6 <u>460</u>
# 7 <u>420</u>	# 8 <u>400</u>	# 9 <u>390</u>	# 10 <u>380</u>		
Anode Output (Amps)					
# 1 <u>4.0</u>	# 2 <u>4.5</u>	# 3 <u>3.9</u>	# 4 <u>3.7</u>	# 5 <u>3.9</u>	# 6 <u>2.8</u>
# 7 <u>2.4</u>	# 8 <u>4.3</u>	# 9 <u>4.5</u>	# 10 <u>3.7</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts <u>11.2</u>	Amps <u>14.4</u>	Ohms <u>.78</u>			

Remarks: Driller Said MAKING WATER AT 265', NEXT A.M. NO WATER
Drilled To 395' WAITED 20 MIN. BLEW WATER. MAKING WATER BETWEEN
375' & 395'
INSTALLED 510' of 1" VENT PIPE, PERFORATED 200' of 1" VENT PIPE
Slurry 75 SACKS of COKE
40V - 16A
STUB POLE.

All Construction Completed

Loretta & Knight
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

SAN JUAN 28-6 Unit #136

SE 11-28-6

1148 W

54525.19

Static 600' SE = 0.73

40-16 Rect. SICR
Stub Pole

DRILLER SAID MAKING WATER
AT 265' NEXT A.M. NO WATER
DRILLED TO 395' WAITED 20 MINUTES
blew WATER MAKING WATER BETWEEN 395'
PERFORATED 200' 1" VENT PIPE

INSTALLED 510' 1" VENT PIPE
7.5 JACKS CORE

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

380 1.7 - (10) 10 1.8 - (1)

1.5 1.2

70 1.8 - (5) 20 .8

1.8 1.0

400 1.1 - (3) 30 1.0

.9 1.0

10 .4 40 1.1

.7 1.0

20 1.2 - (2) 50 .4

.7 .9

30 .6 60 1.0 TD

.6

40 .7 70

.9

50 .9 80

.8

60 1.0 (6)

1.4 - (1)

70 1.4 (3)

1.9 - (2)

80 1.8 (4)

1.3 - (1)

90 1.3 (2)

1.8 - (1)

500 2.0 (2)

2.0 - (1)

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

① 510	2.4	4.0
② 500	2.5	4.5
③ 490	2.1	3.9
④ 480	2.2	3.7
⑤ 470	2.1	3.9
⑥ 460	1.5	2.8
⑦ 420	1.5	2.4
⑧ 400	1.6	4.3
⑨ 390	2.4	4.5
⑩ 380	2.2	3.7

11.2 Volts
14.4 AMPS
.78 ohms

DAILY DRILLING REPORT

LEASE		WELL NO. <i>1148W</i>		CONTRACTOR <i>Posay</i>		RIG NO.		REPORT NO.		DATE <i>8-19</i>		19 <i>77</i>		
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.			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		
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	6	<i>surface</i>			160	180	<i>sand wet</i>			280	295	<i>sand shale</i>		
6	25	<i>sandy clay</i>			180	224	<i>shale</i>			295	310	<i>shale</i>		
25	60	<i>sand</i>			224	235	<i>sand wet</i>			310	345	<i>sand wet</i>		
60	80	<i>shale</i>			235	250	<i>shale</i>			345	360	<i>shale</i>		
80	100	<i>sandy shale</i>			250	265	<i>sand wet</i>			360	375	<i>sand dry</i>		
100	120	<i>sand wet</i>			265	280	<i>shale</i>							
REMARKS -					REMARKS -					REMARKS -				
120-140 <i>sandy shale</i>										375-395 <i>sand wet making wet</i>				
140-160 <i>shale</i>										395-420 <i>shale</i>				
										420-435 <i>sandy shale</i>				
										435-465 <i>shale</i>				
										465-470 <i>sandy shale</i>				
										470-505 <i>shale</i>				
										505-560 <i>sandy shale</i>				
										560-565 <i>shale</i>				
										565-580 <i>sandy shale</i>				

SIGNED: Toolpusher

Company Supervisor