

1252

18A-30-039-23865

E

102-30-039-20865

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 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #18A, #102

cps 154lw

Elevation 7471' Completion Date 6/1/80 Total Depth 300' 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. 150' SAMPLE WOULD NOT SETTLE OUT

Depths gas encountered: N/A

Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 280', 270', 260', 250', 240', 230', 220', 200', 190', 180'

Depths vent pipes placed: 295'

Vent pipe perforations: 140'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. J
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 6/1/80

Well Name <u>S.J. 28-5 102</u>		Location <u>SE 11-28-5</u>		CPS No. <u>1541-W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57504-21</u>	
Anode Hole Depth <u>300' T.D. 295'</u>	Total Drilling Rig Time	Total Lbs. Cok. Used <u>38 sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>280'</u>	# 2 <u>270'</u>	# 3 <u>260'</u>	# 4 <u>250'</u>	# 5 <u>240'</u>	# 6 <u>230'</u>
# 7 <u>220'</u>	# 8 <u>200'</u>	# 9 <u>190'</u>	# 10 <u>180'</u>		
Anode Output (Amps)					
# 1 <u>3.0</u>	# 2 <u>3.0</u>	# 3 <u>2.9</u>	# 4 <u>3.7</u>	# 5 <u>4.3</u>	# 6 <u>3.2</u>
# 7 <u>2.5</u>	# 8 <u>2.8</u>	# 9 <u>3.0</u>	# 10 <u>3.2</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>11.4</u>	Amps <u>16.4</u>	Ohms <u>.7</u>			

Remarks: Driller said water at 150'. Drilled to 180'. Water standing in hole next A.M. at 160'. Drilled to 300', logged hole. Logged 295'. Installed 295' of 1" P.V.C. vent pipe, Perforated 140'. Driller said water at 150', approx. 2 gal/min. Water sample would not settle out. Insulated union OK
Static 600' N = .74V

E.P.N.G. will lay cable
on location. Due to sandstone
on location.

All Construction Completed

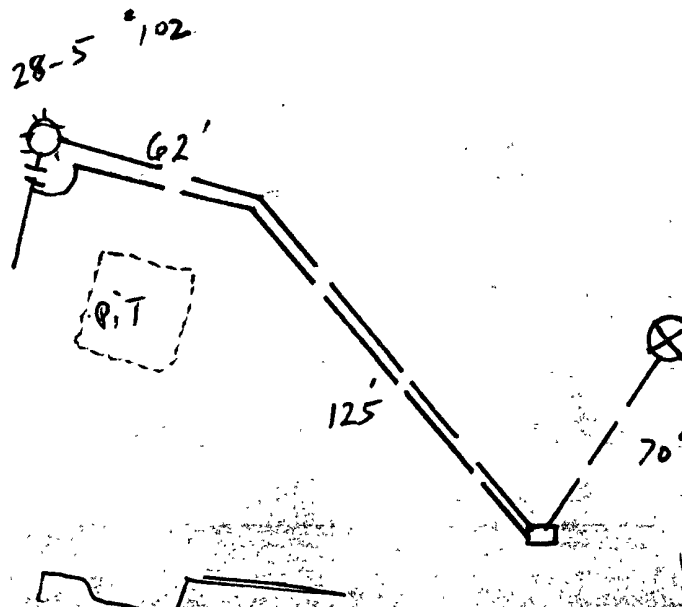
GROUND BED LAYOUT SKETCH

JE Stotts
(Signature)
12 Hr.

1- 10' stub pole
1- 40V 16A Rect.
Hole depth - 205'

~~Jct. Box, Rect. & Pole
Are NOT set on
this location.~~

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



7471

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet. _____ of _____

Date: _____

By: _____

File: _____

SE 11-28-5

6/1/80

S.L. *28-5 *102

CPS * 1541 W

W.O. 57504-21

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 9.64
42.08	C ₃ 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

160 -

70 - 1.2 -

1.9

80 - 1.8 -

1.7

90 - 1.7 -

1.8

200 - 1.5 -

.8

10 - .9

1.4

20 - 1.5 -

.9

30 - 1.4 -

2.5

40 - 2.6 -

2.5

50 - 2.2 -

1.7

60 - 1.8 -

2.2

70 - 1.6 -

1.9

80 - 2.0 -

2.2

90 - 2.2 -

T.D.

300 -

STATIC 600' N = .74V.
Driller said WATER AT 150'
Drilled To 180'. WATER STAND-
ING IN Hole next A.M. AT
160'. Drilled To 300', logged
Hole, 295' T.D. installed
295' at 1" P.V.C. VENT Pipe.
Perforated, 140'.
Driller said WATER AT
150'. Approx 2 gal/min.
WATER SAMPLE would
NOT settle out

16.4 A @ 11.4 V = 7.5

1 - 280 - 2.2 - 3.0
2 - 270 - 1.7 - 3.0
3 - 260 - 1.9 - 2.9
4 - 250 - 2.5 - 3.7
5 - 240 - 2.7 - 4.3
6 - 230 - 1.7 - 3.2
7 - 220 - 1.6 - 2.5
8 - 200 - 1.7 - 2.8
9 - 190 - 1.8 - 3.0
10 - 180 - 1.9 - 3.2

DAILY DRILLING REPORT

CPS - 1541 W

LEASE

WELL NO.

CONTRACTOR 3-C

RIG NO. 1

REPORT NO.

DATE June 1, 82 1980

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.	
		NO. DC SIZE LENG.						NO. DC SIZE LENG.						NO. DC SIZE LENG.			
BIT NO.		NO. DC SIZE LENG.				BIT NO.		NO. DC SIZE LENG.				BIT NO.		NO. DC SIZE LENG.			
SER. NO.		STANDS				SERIAL NO.		STANDS				SERIAL NO.		STANDS			
SIZE 6 3/4		SINGLES 15				SIZE		SINGLES				SIZE		SINGLES			
TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY			
MAKE		TOTAL DEPTH 300' T.D. 275'				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	20	surface				200	220	shale - BLUE									
20	80	shale				220	280	shale - RED									
80	120	sand				280	300	shale - BLUE									
1	140	sandy shale															
140	160	sand & shale - water															
160	200	shale - RED															
REMARKS -						REMARKS - water was at 150' the formation was making 2 gallons per minute						REMARKS -					

SIGNED: Toolpusher Brian Burge Company Supervisor