

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.
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. 28-5¹⁰²</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. Coke 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
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' M = .74V

E.P.N.G. WILL LAY CABLE
ON LOCATION. Due To SANDSTONE
ON LOCATION.

All Construction Completed

GROUND BED LAYOUT SKETCH

(Signature)
12 Hr.

1- 10' stub pole

1- 40V 16A Rect.

Hole depth - 205' S.J. 28-5¹⁰²

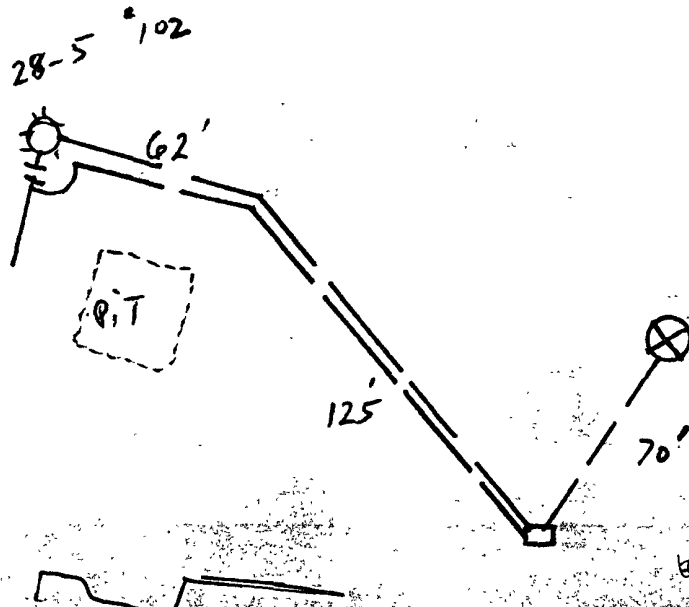
~~Jct. Box, Rect. + Pole
Are NOT set on
this location.~~

DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File



7471

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: _____ 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	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

160 -

70 - 1.2 *

1.9

80 - 1.8 -

⑦

1.7

90 - 1.7 -

⑧

1.8

200 - 1.5 -

⑨

1.8

10 - 1.9

1.4

20 - 1.5 -

⑩

1.9

30 - 1.4 -

⑪

2.5

40 - 2.6 -

⑫

2.5

50 - 2.2 -

⑬

1.7

60 - 1.8 -

⑭

2.2

70 - 1.6 -

⑮

1.9

80 - 2.0 -

⑯

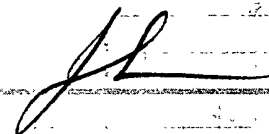
2.2

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 @ 11.4V = .75

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, 1980

MORNING					DAYLIGHT					EVENING				
Driller <u>Brian Burge</u>		Total Men In Crew <u>3</u>			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.	
SER. NO.		STANDS		SINGLES		DOWN ON KELLY		SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY	
SIZE <u>6 3/4</u>		TOTAL DEPTH <u>300' T.D. 215'</u>		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		SIZE		TOTAL DEPTH		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		SIZE		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.	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 -	REMARKS -
	water was at 150'	
	the formation was making	
	2 gallons per minute.	

SIGNED: Toolpusher Brian Burge

Company Supervisor _____