

1263

30-039-21918

F

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. 28 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #40A

cps 1549w

Elevation 6844' Completion Date 8/8/80 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. 60' SAMPLE TAKEN

Depths gas encountered: N/A

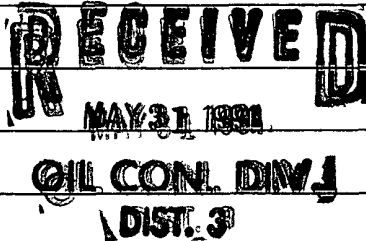
Type & amount of coke breeze used: 28 SACKS

Depths anodes placed: 270', 260', 250', 240', 230', 205', 195', 185', 135', 125'

Depths vent pipes placed: 300'

Vent pipe perforations: 240'

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

8 hr. Rpt
2" O.T.

Drilling Log (Attach Hereto) ☐

Completion Date 8-8-80

Well Name S.J. 29-7 #40A		Location SE 28-29-7		CPS No. 1549 W	
Type & Size Bit Used 6 3/4				Work Order No. 57694-21	
Anode Hole Depth 1099rd 300	Total Drilling Rig Time	Total Lbs. Coke Used 28 Sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 270	# 2 260	# 3 250	# 4 240	# 5 230	# 6 205
# 7 195	# 8 185	# 9 135	# 10 125		
Anode Output (Amps)					
# 1 3.3	# 2 3.0	# 3 2.8	# 4 3.7	# 5 3.3	# 6 2.8
# 7 3.8	# 8 4.0	# 9 3.3	# 10 3.8		
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	
Volts 12.3	Amps 15.3	Ohms .8			No. 2 C.P. Cable Used

Remarks: STATIC 600'N = .92 UNION - NOT INSTALLED
DRILLER SAID H.T. WATER AT 60'. GOT WATER SAMPLE. INSTA
300' of 1" VENT PIPE, PERFORATED 240' of VENT PIPE.

120' meter Pole

All Construction Completed

140V 16A Rect.

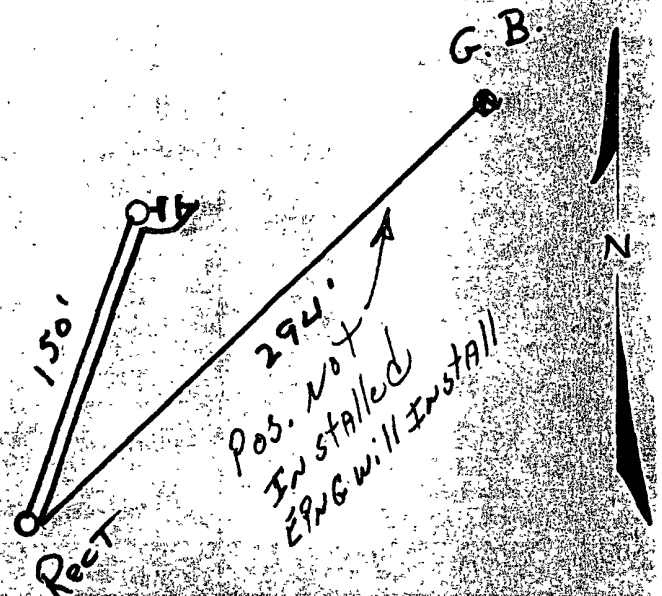
Ditch + 1 cable - 150'

Wills Knight Jr.
(Signature)

EXTRA cable - 183'

GROUND BED LAYOUT SKETCH

Hole Depth - 200'



DISTRIBUTION:

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

6844

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 8-8-82 of WIC
Date: 8-8-82
By: WIC
File:S.J. 29.7 #40A
SE 28 29.7
CPS 1549.W
W/O 57694-21STATIC 600' N = .92
UNION - NOT INSTALLED

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	9.84
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

1 20' meter Pole
1 40V 16A Rect
DITCH + 1 cable - 444'
EXTRA cable - 183'
Hole Depth - 200'DRILLER said hit WATER
AT 60', GOT WATER SAMPLE
Installed 300' of 1" VENT
PIPE PERFORATED 40' of VENT
PIPE. SLURRIED 28 SACKS
of COKE Breeze

60	2.6	10	1.3
65	3.3	15	1.1
70	3.0	20	1.7
75	2.1	25	1.1
80	2.6	30	2.3 (5)
85	2.8	35	2.2
90	2.1	40	2.4 (4)
95	1.8	45	2.1
100	1.6	50	1.5 (3)
05	1.2	55	1.7
10	.7	60	1.8 (2)
15	.6	65	2.4
20	1.0	70	2.2 (1)
25	2.7 (10)	75	2.0
30	2.9	80	2.5
35	2.0 (6)	85	2.5
40	1.7	90	2.0
45	1.4	95	1.0 T.D
50	1.0	300	1.0 T.D
55	1.2		
60	1.2		
65	1.1		
70	.9		
75	1.7		
80	1.5		
85	2.7 (8)		
90	2.9		
95	2.2 (7)		
200	1.8		
05	1.5 (6)		

270	2.2	3.3
260	1.8	3.0
250	1.5	2.8
240	2.4	3.7
230	2.3	3.3
220	1.6	2.8
195	2.3	3.8
185	2.1	4.0
135	2.1	3.3
125	2.8	3.8

12.3 V 15.3 A .8 Ω

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

Analysis No. 1-10021 Date 11-12-80
Operator El Paso Natural Gas Well Name San Juan 29-7 # 40A
Location SE 28-29-7 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From CPS 1549 W @ 60 ft.

Date Sampled 8-8-80 By Willis Knight

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>232</u>	<u>10.1</u>	Chloride <u>52</u>
Calcium <u>8</u>	<u>0.4</u>	Bicarbonate <u>386</u>
Magnesium <u>2</u>	<u>0.2</u>	Sulfate <u>136</u>
Iron <u>No test</u>		Carbonate <u>Trace</u>
H ₂ S <u>No test</u>		Hydroxide <u>0</u>

cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

Total Solids Dissolved 642
pH 8.4
Sp. Gr. .9965 At 60°F
Resistivity 976 ohm-cm at 77°F

Joe Barnett
Chemist

