

1263 #32A 30-039-22064

6

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. 32 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #32A

cps 1548w

Elevation 6625' Completion Date 8/12/80 Total Depth 400' 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. 40' SAMPLE TAKEN

Depths gas encountered: N/A

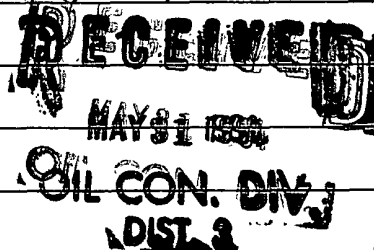
Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 370', 360', 345', 335', 290', 275', 265', 255', 225', 215'

Depths vent pipes placed: 400'

Vent pipe perforations: 360'

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. Reg.
2 1/2 O.T.

Drilling Log (Attach Hereto) ☐

Completion Date 8-12-80

2 X 60 ANODES

Well Name <u>SJ 29-7 # 32 A</u>		Location <u>NW 32-29-7</u>		CPS No. <u>1548</u> 1458 W	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57693-21</u>	
Anode Hole Depth <u>400'</u> <u>logged 400'</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>370</u>	# 2 <u>360</u>	# 3 <u>345</u>	# 4 <u>335</u>	# 5 <u>290</u>	# 6 <u>275</u>
# 7 <u>265</u>	# 8 <u>255</u>	# 9 <u>225</u>	# 10 <u>215</u>		
Anode Output (Amps)					
# 1 <u>3.3</u>	# 2 <u>3.0</u>	# 3 <u>3.3</u>	# 4 <u>2.6</u>	# 5 <u>3.6</u>	# 6 <u>2.5</u>
# 7 <u>3.4</u>	# 8 <u>3.2</u>	# 9 <u>2.9</u>	# 10 <u>2.9</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>10.6</u>	Amps <u>14.0</u>	Ohms <u>.75</u>			

Remarks: ~~STATIC~~ 600' E. = 1.0 UNION - NO F/L

DRILLER said h.t water at 40'. GOT WATER SAMPLE.
INSTALLED 400' of 1" VENT PIPE, PERFORATED 360' of VENT PIT
MAKING APPROX. 3 gal. WATER PER MINUTE

1 10' STUB Pole

1 40V 16A RECT

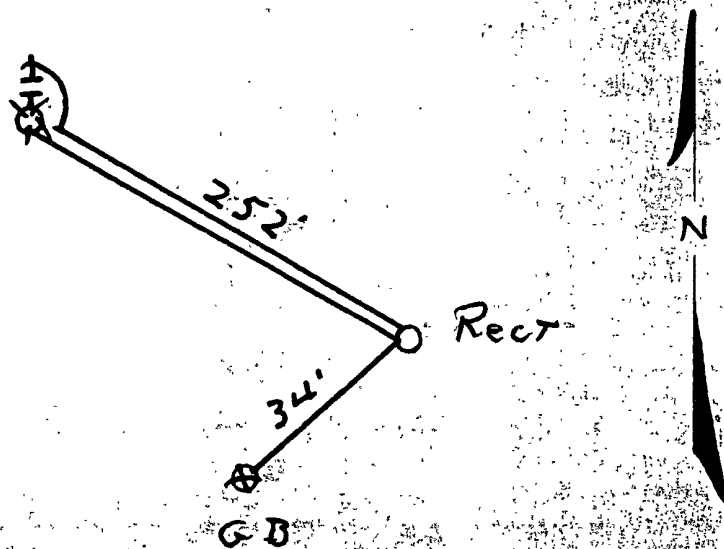
DITCH + 1 cable - 286'

EXTRA cable - 282' GROUND BED LAYOUT SKETCH

Hole Depth - 100'

All Construction Completed

Willis Knight Jr
(Signature)



DISTRIBUTION:

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

Wells

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

SJ 29-7 #32A
NW 32-29-7
CPS 1548-W
W/O 57693-21

STATIC 600' E = 1.0
UNION - NO FIL

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

1-10' STUB Pole
1-40' 1 1/2" Rect
Ditch & cable - 286'
EXTRA cable - 282'
Hole Depth - 100'

DRILLER Said hit WATER
AT 40', GOT WATER SAMPLE
INSTALLED 400' of 1" VENT
PIPE, PERFORATED 360' of VENT
PIPE, SHIPPED 38 SACKS
of COKE BREEZE

40	90	.8
45	95	.8
50	200	.8
55	05	.9
60	10	1.0
65	15	1.9 ⑦
70	20	2.1
75	25	1.9 ⑤
80	30	1.6
85	35	1.5
90	40	1.4
95	45	1.3
100	50	1.3
05	55	1.9 ⑧
10	60	2.3
15	65	2.1 ⑦
20	70	1.7
25	75	1.7 ⑩
30	80	1.3
35	85	1.7
40	90	2.5 ⑥
45	95	1.5
50	300	1.0
55	05	1.0
60	10	1.1
65	15	1.1
70	20	1.1
75	25	1.1
80	30	1.2
85	35	1.6 ④

40	2.1
45	2.1 ③
50	1.6
55	1.4
60	1.6 ②
65	2.0
70	1.9 ①
75	1.4
80	1.0
85	.9
90	.7
95	.7 -
400	.8 T.D

① 370	2.0	3.3
② 360	1.6	3.0
③ 345	2.1	3.3
④ 335	1.6	2.6
⑤ 290	2.4	3.6
⑥ 275	1.7	2.5
⑦ 265	2.0	3.4
⑧ 255	1.9	3.2
⑨ 225	1.8	2.9
⑩ 215	1.8	2.9

10.6 V 14.0 A .75 ~

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

Analysis No. 1-10022 Date 11-12-80
Operator El Paso Natural Gas Well Name San Juan 29-7 # 32A
Location 32-29-7 County San Juan State New Mexico
Field Blanco Formation _____
Sampled From CPS 1548W @ 40 ft.

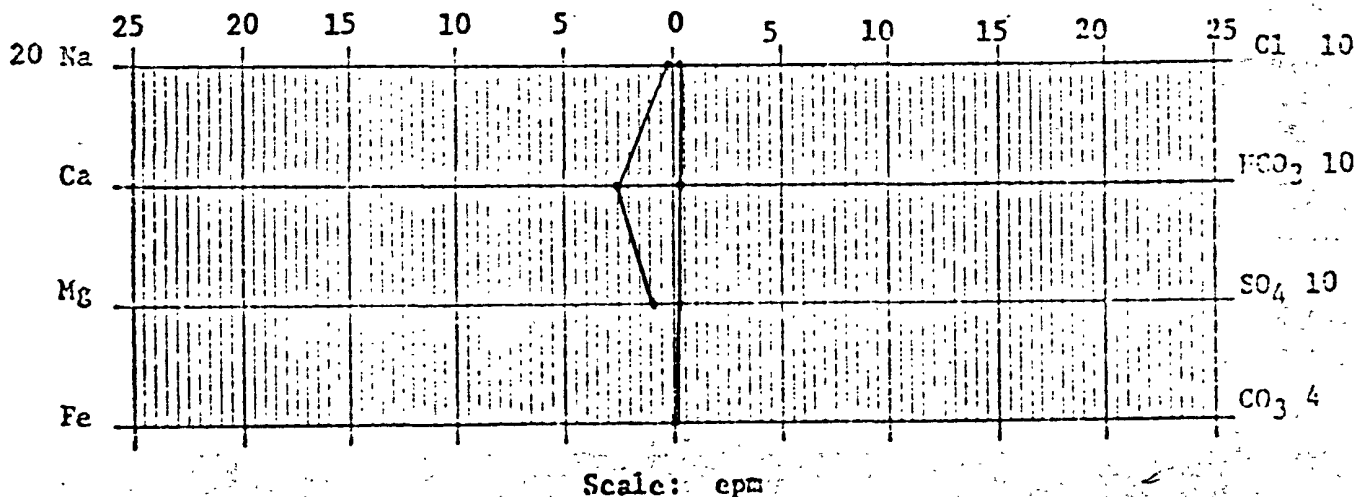
Date Sampled 8-12-80 By Willis Knight

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____	
ppm	epm
Sodium <u>46</u>	<u>2.0</u>
Calcium <u>53</u>	<u>2.6</u>
Magnesium <u>11</u>	<u>0.9</u>
Iron <u>No test</u>	
H ₂ S <u>No test</u>	
Chloride <u>20</u>	<u>0.6</u>
Bicarbonate <u>215</u>	<u>3.5</u>
Sulfate <u>70</u>	<u>1.5</u>
Carbonate <u>0</u>	<u>0</u>
Hydroxide <u>0</u>	<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 350
pH 7.4
Sp. Gr. .9964 At 60°F
Resistivity 1887 ohm-cm at 77°F

Joe Barnett
Chemist



CPS# 1548 W San Juan 29-7 # 32-A

W.O. # 57693-2/

DATE August 12 1980

REPORT NO.

RIG NO. # 1

CONTRACTOR 3-C Drilling

MORNING										DAYLIGHT										EVENING									
Driller		Total Men In Crew		FORMATION		WT. BIT		R.P.M.		Driller		Total Men In Crew		FORMATION		WT. BIT		R.P.M.		Driller		Total Men In Crew		FORMATION		WT. BIT		R.P.M.	
FROM	TO									FROM	TO									FROM	TO								
BIT NO.		NO. DC		SIZE		LENG.				BIT NO.		NO. DC		SIZE		LENG.				BIT NO.		NO. DC		SIZE		LENG.			
SER. NO.		NO. DC		SIZE		STANDS				SER. NO.		NO. DC		SIZE		STANDS				SER. NO.		NO. DC		SIZE		STANDS			
SIZE 6 3/4		NO. DC		SIZE 20		SINGLES				SIZE		NO. DC		SIZE		SINGLES				TYPE		NO. DC		SIZE		DOWN ON KELLY			
TYPE		TOTAL DEPTH 100 TO 400'								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		Vis.								Time		Vis.								Time		Vis.							
FROM		TO								FROM		TO								FROM		TO							
TIME BREAKDOWN										TIME BREAKDOWN										TIME BREAKDOWN									
0	40	sandstone water 39 lb/hr								220	300	shale																	
40	80	sandstone & shale								300	340	lignite																	
80	100	sand & shale								340	380	shale																	
100	140	shale								380	400	shale																	
140	180	lignite & shale																											
180	220	sand																											
REMARKS										REMARKS										REMARKS									