

1295

E

30-039-22188

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. 34 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #15A

cps 1599w

Elevation 6674' Completion Date 10/21/81 Total Depth 505' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" PLASTIC CASING

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. DAMP 135 WATER SAND 225'- 250'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 490', 475', 455', 440', 425', 410', 395', 375', 355', 270'

Depths vent pipes placed: 505'

Vent pipe perforations: 265'

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 10-21-81

Well Name <u>SI 28-5 #15A</u>		Location <u>SE34-28-5</u>		CPS No. <u>1599W</u>	
Type & Size Bit Used <u>6 3/4 NO UNION</u>		<u>STATIC. 79N</u>		Work Order No. <u>57924-21-50-2</u>	
Anode Hole Depth <u>505'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>490</u>	# 2 <u>475</u>	# 3 <u>455</u>	# 4 <u>440</u>	# 5 <u>425</u>	# 6 <u>410</u>
# 7 <u>395</u>	# 8 <u>375</u>	# 9 <u>355</u>	# 10 <u>270</u>		
Anode Output (Amps)					
# 1 <u>3.50</u>	# 2 <u>3.47</u>	# 3 <u>2.92</u>	# 4 <u>3.84</u>	# 5 <u>4.30</u>	# 6 <u>3.05</u>
# 7 <u>2.65</u>	# 8 <u>3.52</u>	# 9 <u>2.72</u>	# 10 <u>2.67</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>11.88</u>	Amps <u>16.70</u>	Ohms <u>.71</u>			

Remarks: DAMP AT 90 WOULD NOT BLOW DAMP 135' WOULD N.
BLOW WATER SAND 225-250' BLOW SAMPLE
DRILL 390' TOO MUCH WATER WASHING OUT TOP OF HOLE
REAMED 20' TO 8 3/4" SET 20' 8" PLASTIC CASING (3 HRS RIG
TIME) 240' 1" PLAIN VENT PIPE BALANCE PERFORATED.

DITCH #1 CABLE = 195' ✓
XTRA CABLE = 145' ✓
HOLE = +5' ✓
3 HR RIG TIME ✓

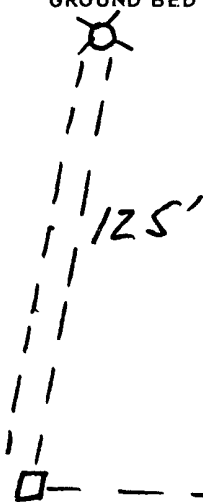
All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH

REG.	O.T.
8	5



40-16 ✓ 70'
25' POLE ✓

6074

DISTRIBUTION:

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

ENGINEERING CALCULATION

 Sheet: of
 Date: 10-19-8
 By: BT
 File:

 1599 W
 SJ 28-5 # 15A
 SE 34-28-5

STATIC = .791

57924-21-50-20

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

DAMP AT 90' WOULD NOT BLOW WATER
 DAMP AT 135' ✓
 WATER SAND AT 250' 20 TO 30 GAL MIN.
 WATER SAMPLE. WELL NOT TIED IN NO UNION
 DRILLED TO 390' TOO MUCH WATER. WASHING
 TOP OF HOLE OUT. REAMED 20' TO 8 3/4" SET 20' 8"
 PLASTIC SURFACE PIPE. (3 HRS. RIG TIME.) 240' - 1"
 PLAIN VENT PIPE BALANCE PERFORATED
 DRILLED TO 505 LOG TO 505

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

H₂O

200		300	.60	400	1.18	500	
5		5	.33	5	1.10	5	→ TD
10	1.71	10	.47	10	1.33 (6)	10	
15	1.78	15	.45	15	1.41	15	
20	1.95	20	.32	20	1.54	20	
25	1.35	25	.31	25	1.87 (5)	25	
30	.92	30	.36	30	1.86	30	
35	.64	35	.28	35	2.11	35	
40	.48	40	.50	40	1.81 (4)	40	
45	.35	45	.81	45	1.41	45	
50	.31	50	1.01 (7)	50	1.31	50	
55	1.32	55	1.46 (8)	55	1.36 (3)	55	
60	1.47	60	.85	60	1.40	60	
65	1.25 (10)	65	.37	65	1.97	65	
70	1.14 (10)	70	.28	70	1.61 (2)	70	
75	.98	75	1.34 (8)	75	1.49	75	
80	.82	80	1.35	80	1.91	80	
85	.77	85	1.23	85	1.90 (1)	85	
90	.71	90	1.05 (7)	90	1.93	90	
95	.77	95	1.06 (7)	95	1.72	95	

# 1	490	2.15	3.50
2	475	1.74	3.47
3	455	1.48	2.92
4	440	1.86	3.84
5	425	2.00	4.30
6	410	1.45	3.05
7	395	1.18	2.65
8	375	1.60	3.52
9	355	1.47	2.72
10	270	1.24	2.67

 VOLTS = 11.88
 Amps = 16.7
 = .71

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

Analysis No. 1-10419 Date 11-11-81

Operator El Paso Natural Gas Well Name San Juan 28-5 #15A - CPS #1599W

Location SE 34-28-5 County Rio Arriba State New Mexico

Field Cedar Hill Formation _____

Sampled From _____

Date Sampled 10-14-81 By _____

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium	ppm	epm	Chloride	ppm	epm
<u>256</u>		<u>11.1</u>	<u>22</u>		<u>0.6</u>

Calcium	ppm	epm	Bicarbonate	ppm	epm
<u>7</u>		<u>0.4</u>	<u>422</u>		<u>6.9</u>

Magnesium	ppm	epm	Sulfate	ppm	epm
<u>0</u>		<u>0</u>	<u>190</u>		<u>4.0</u>

Iron	ppm	epm	Carbonate	ppm	epm
<u>.</u>		<u></u>	<u>0</u>		<u>0</u>

H ₂ S	ppm	epm	Hydroxide	ppm	epm
<u></u>		<u></u>	<u>0</u>		<u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 994

pH 8.3

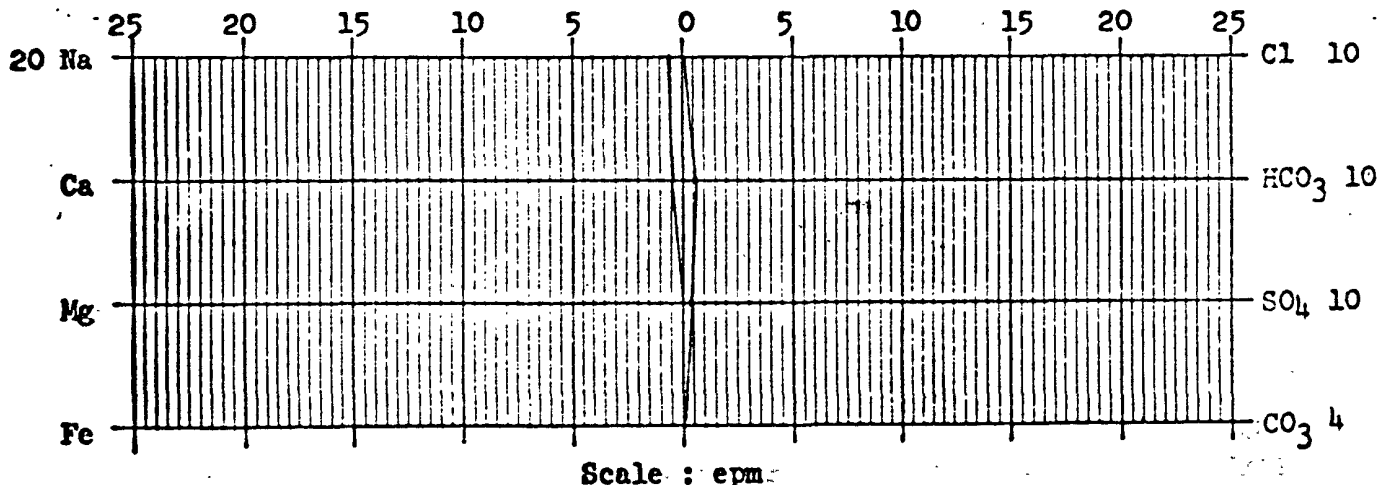
Sp. Gr. 0.9974 At 60°F

Resistivity 1,042 ohm-cm at 74°F

HCO₃ taken to pH 4.0

Dennis P. Bird
Chemist

RZE



Se: 34-28-5

1981

DAYEIGHT

EVENING

Company Supervisor