1265 #31A 30-039-22065 E

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. 32 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #31A

cps 1547w

Elevation 6723' Completion Date 8/13/80 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. 85' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 37 SACKS

Depths anodes placed: 365', 355', 345', 335', 325', 315', 305', 225', 210', 160'

Depths vent pipes placed: 390'

Vent pipe perforations: 300'

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

8 hr. Reg
2 " O.T.

Drilling Log (Attach Hereto). ☐ 2 X 60 ANODES Completion Date 8-13-80

Well Name	Location	CPS No.
SJ 29-7 # 31A	SE 32-29-7	1547-W

Type & Size Bit Used	Work Order No.
6 3/4	57692-21

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
400' logged 390'		37 Sacks		

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
Anode Depth	365	355	345	335	325	315	305	225	210	160
Anode Output (Amps)	3.0	3.0	2.4	3.4	3.1	5.1	4.5	2.4	2.4	4.2
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 11.8	Amps 16.0	Ohms .7		

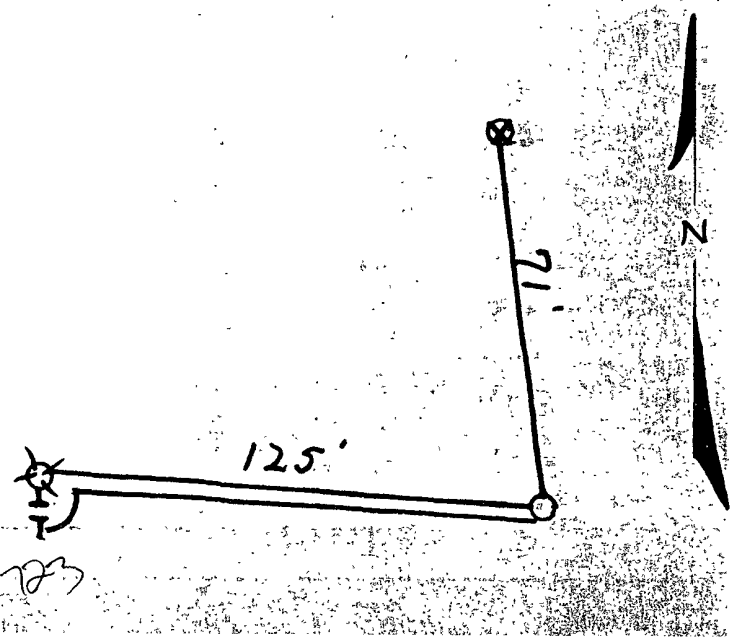
Remarks: STATIC 600' NW = .84 UNION - F/L NOT laid
DRILLER said hit WATER AT 85'. GOT WATER SAMPLE
INSTALLED 390' of 1" VENT PIPE, PERFORATED 300' of VENT PIPE
MAKING APPROX 5 gal. PER MINUTE

1 20' MOTOR POLE
1 40V 16A RECT.
DITCH + 1 CABLE - 196'
EXTRA CABLE - 155'
HOLE DEPTH - 110'

All Construction Completed

Willis Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



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

Form 7-4 (Rev 9-77)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: ____ of ____
Date: 8-13-8
By: WK
File: ____

SJ 29-7 # 31A
SE 32-29-7
CPS 1547 W
W/O 57692-21

STATIC 600' NW .184
UNION - F/L NOT laid

1 20' METER Pole
1 40V 16A RECT
DITCH + 1 CABLE -
EXTRA CABLE -
HOLE DEPTH - 110'

DRILLER said hit WATER AT 85'. GOT WATER SAMPLE
INSTALLED 390' OF 1" VENT PIPE PERFORATED 300' OF VENT PIPE. SLURRYED 37 SACK OF COKE BREEZE

100	2.2	50	.5
05	1.5	55	.4
10	1.1	60	.5
15	.3	65	.5
20	1.5	70	.5
25	1.2	75	.4
30	.5	80	.3
35	.8	85	.3
40	.9	90	.9
45	.9	95	1.1
50	1.8	300	1.0
55	2.5	05	2.1 (1)
60	2.0 (10)	10	2.8
65	1.1	15	2.2 (6)
70	.8	20	1.7
75	.4	25	1.7 (5)
80	.7	30	1.8
85	.7	35	1.9 (4)
90	.7	40	1.6
95	.8	45	1.5 (3)
200	.8	50	1.7
05	1.0	55	1.9 (2)
10	1.6 (9)	60	2.1
15	1.1	65	1.8 (1)
20	.9	70	1.7
25	1.5 (8)	75	1.8
30	1.4	80	1.9 -
35	1.0	85	.9
40	.8	90	.8 TD
45	.6	95	
		400	

(1)	365	1.8	3.0
(2)	355	1.9	3.0
(3)	345	1.5	2.4
(4)	335	1.9	3.4
(5)	325	1.7	3.1
(6)	315	2.4	5.1
(7)	305	2.1	4.5
(8)	225	1.6	2.4
(9)	210	1.7	2.4
(10)	160	2.0	4.2

11.8V 16.0A .7 Ω

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

MISC.

MW		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_2S	5 17
28.01	N_2	4 16
2.02	H_2	3.38

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

Analysis No. 1-10023 Date 11-12-80

Operator El Paso Natural Gas Well Name San Juan 29-7 #31A

Location SE 32-29-7 County San Juan State New Mexico

Field Blanco Formation

Sampled From CPS 1547W @85 ft.

Date Sampled 8-13-80 By Willis Knight

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	316	13.7	Chloride	36	1.0
Calcium	19	1.0	Bicarbonate	239	3.9
Magnesium	3	0.2	Sulfate	480	10.0
Iron	No test		Carbonate	0	0
H_2S	No test		Hydroxide	0	0

Total Solids Dissolved 942

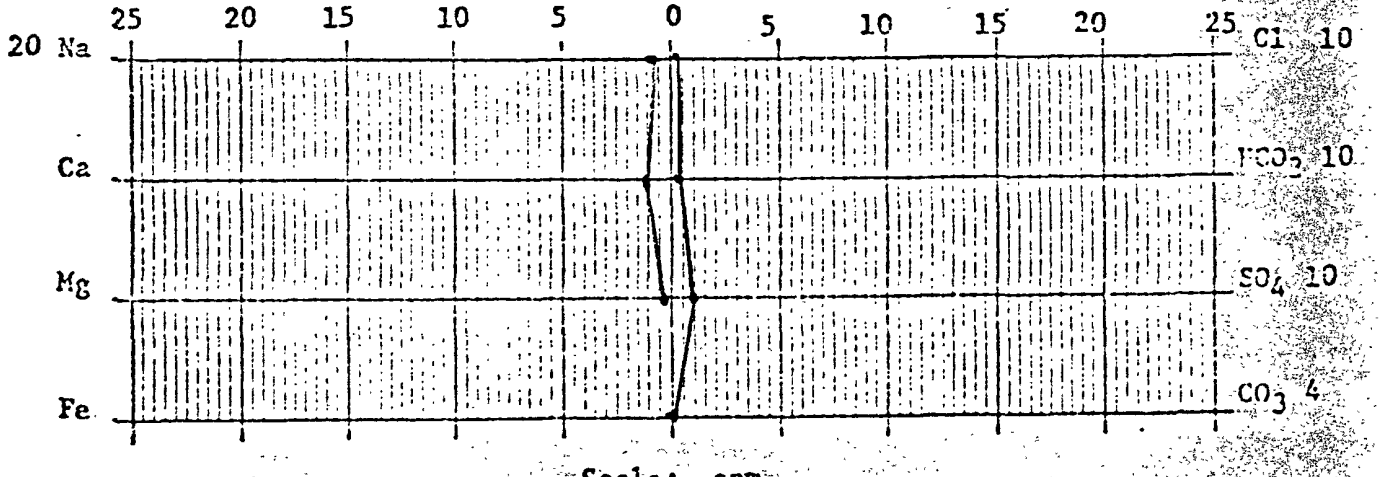
pH 7.6

Sp. Gr. .9964 At 60°F

Resistivity 690 ohm-cm at 77°F

Joe Barnett
Chemist

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



Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE: CPS# 1547 W   WELL NO.: San Jaun 29-7 #31-A   CONTRACTOR: 3C Drilling   W.O.# 57692-21   RIG NO.: #1   REPORT NO.:   DATE: August 13th 1980

MORNING

Driller: Brian   Total Men In Crew: 3

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.:
SERIAL NO.:
SIZE: 6 3/4
TYPE: Button
MAKE:

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE 4 1/2 LENG. 20
STANDS
SINGLES 20
DOWN ON KELLY
TOTAL DEPTH 400' T.D. 390'

MUD RECORD Time	Wt.	Vis.	MUD ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
0	40	sandstone
40	60	~~shale~~ sand
60	80	shale
80	100	sand - water - shale
100	120	shale
120	160	sand & shale

REMARKS—

DAYLIGHT

Driller: Total Men In Crew:

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.:
SERIAL NO.:
SIZE:
TYPE:
MAKE:

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
160	180	shale
180	260	sand - sandy shale
260	300	bentonite
300	360	shale
360	380	shale & sand
380	400'	sand

REMARKS— drilled to 100' on 12th. had water standing next AM. at approx 85'. Hole making approx 5 gallons per minute. Got a good water sample.

Total hole depth 400'
Total log depth 390'

EVENING

Driller: Total Men In Crew:

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.:
SERIAL NO.:
SIZE:
TYPE:
MAKE:

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS—

SIGNED: Toolpusher Brian Burge   Company Supervisor ________