957

E

30-039-21700

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. 30 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #7A

cps 1416

Elevation 6206' Completion Date 9/5/79 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/n

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 105' - 110' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 385', 375', 350',340', 210', 200', 155', 145', 125', 115'

Depths vent pipes placed: 400'

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

CONTRACT #2
2"x60" DURIRON

Drilling Log (Attach Hereto). ☐

Completion Date 9-5- -79

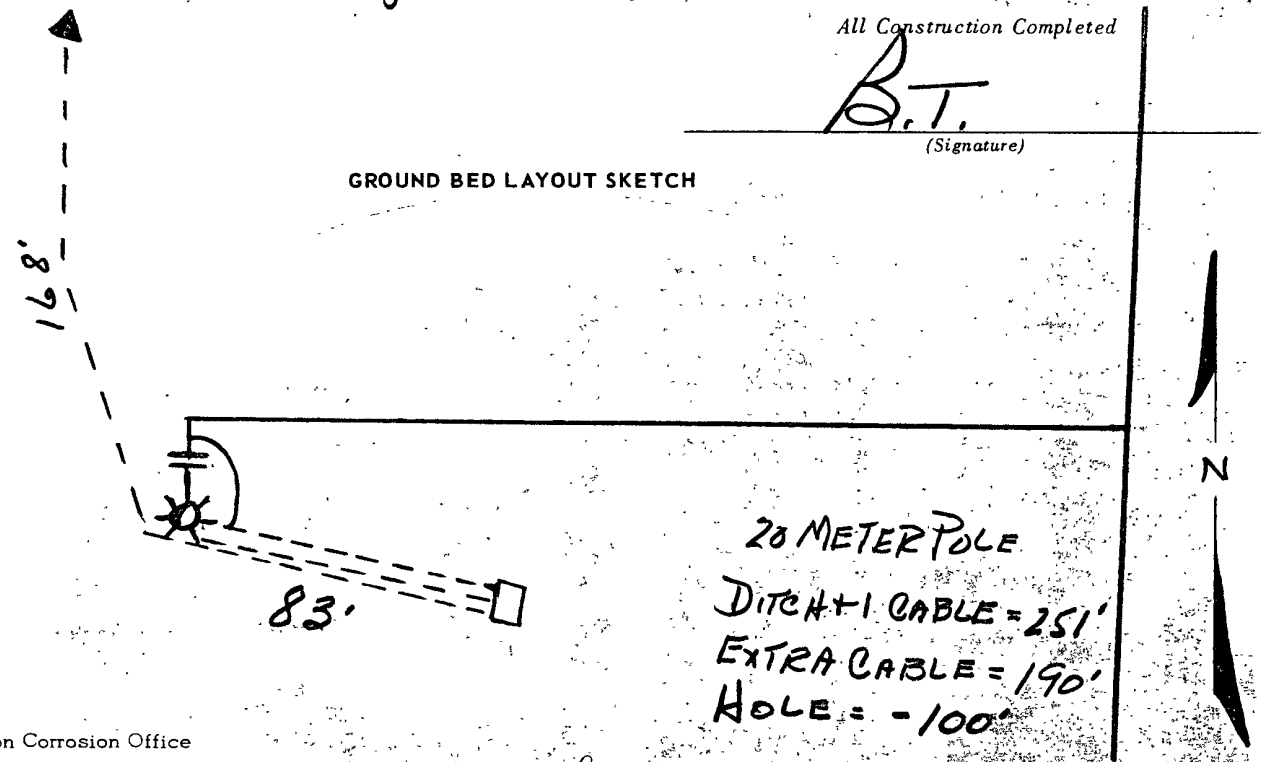
Well Name: SJ 30-6 #7A			Location: NW30-30-7					CPS No.: 1416W	
Type & Size Bit Used: 6 3/4"			STATIC = .94					Work Order No.: 57418-21	
Anode Hole Depth: 400'		Total Drilling Rig Time		Total Lbs. Coke Used: 38 BAGS		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1: 385	# 2: 375	# 3: 350	# 4: 340	# 5: 210	# 6: 200	# 7: 155	# 8: 145	# 9: 125	# 10: 115
Anode Output (Amps)									
# 1: 2.3	# 2: 2.5	# 3: 2.0	# 4: 3.0	# 5: 1.9	# 6: 2.9	# 7: 2.3	# 8: 2.4	# 9: 3.7	# 10: 4.7
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: 165	Amps: 10.6	Ohms: 1.08							

Remarks: Good water sand 105'-110' Drilled to 160' set csg night. Blow water sample. More water at 260' Did not need to inject any water. Guestimate 20 gal water per minute.
400' 1" PVC vent pipe 300' perforated
Drilled to 400' Loged to 400'

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



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

Form 7-1 (Rev. 9-77)

El Paso Natural Gas Company
ENGINEERING CALCULATION

8 hrs Reg
4 hrs OT

Sheet: ___ of ___
Date: 9-6-
By:
File: B.T.

STATIC: .94 1416 W

30-6 # 7A NW 30-30-7 57418-

Good water at 105-110' drilled to 160' set auxiliary. Blow water sample, more water at 260'. Did not need to inject any water. Estimate 20 gal water per min. 400' 1" PVC vent pipe 300' per. Drilled to 400 logged.

11.5 √ 10.6A = 1.08 ∩

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

Water →	100	.94		200		300	
	5	1.1		5	1.1	5	.7
	10	1.3		10	1.3 - (5)	10	.6
	15	1.4 - (10)		15	1.0	15	.4
	20	1.4		20	.6	20	.4
	25	1.4 - (9)		25	.3	25	.4
	30	1.3		30	.3	30	.4
	35	.5		35	.2	35	.4
	40	.4		40	.3	40	.4 - (4)
	45	.6 - (8)		45	.3	45	1.4
	50	1.0		50	.4	50	1.1 - (3)
	55	1.1 - (1)		55	.5	55	1.0
	60	1.0		60	.5	60	.6
	65	.80		65	.5	65	.5
	70	.6		70	.5	70	.5
	75	.3		75	.5	75	1.0 - (2)
	80	.3		80	.5	80	1.2
	85	.5		85	.5	85	1.2 - (1)
	90	.4		90	.5	90	1.1
	95	.3		95	.5	95	.9
	200	.5		300	.5	400	TD

1 =	385	1.3	2.3
2 =	375	1.4	2.5
3 =	350	1.1	2.0
4 =	340	1.8	3.0
5 =	210	1.1	1.9
6 =	200	1.2	2.9
7 =	155	1.3	2.3
8 =	145	1.0	2.4
9 =	125	1.7	3.7
10 =	115	1.7	4.7

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE WELL NO. 1416 CONTRACTOR Pauly RIG NO. REPORT NO. DATE 9-6 1979

MORNING

Driller Total Men In Crew

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

BIT NO. 6 3/4
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.
6		

MUD, ADDITIVES USED AND RECEIVED

1 Tank SALT H2O Permanent

FROM	TO	TIME BREAKDOWN
0	3	SURFACE
3	20	SAND STONE
20	40	SHALE
40	100	SAND STONE
100	105	SHALE
105	110	WET SAND STONE FINISH

REMARKS –

110-130 SHALE
130-150 SAND STONE
150-170 SHALE
170-175 SAND STONE
175-185 SHALE
185 190 SAND STONE
190 225 SHALE
225 230 SAND STONE

DAYLIGHT

Driller Cox Total Men In Crew

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

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
230	250	SHALE
250	290	SAND STONE PICKUP TO 5 TO TEN SALT H2O Permanent
290	310	SHALE
310	365	SAND STONE
365	390	SHALE
390	400	SAND STONE

REMARKS –

EVENING

Driller 400 Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
	400			

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 Pauly Company Supervisor

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

Analysis No. 9721 1-7921 Date 10-24-79

Operator ENPG Well Name SJ 30-6 # 7A

Location NW 30-30-7 County Rio Arriba State N.M.

Field _____ Formation _____

Sampled From ~~1416W~~

Date Sampled _____ By _____

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

	ppm	epm		ppm	epm
Sodium	79	3	Chloride	12	.3
Calcium	600	30	Bicarbonate	298	5
Magnesium	37	3	Sulfate	1500	31
Iron	Present		Carbonate	0	0
H_2S	Absent Absent		Hydroxide	0	0

Total Solids Dissolved 2332

pH 7.4

Sp. Gr. 1.0023 at 77 60°F

Resistivity 333 ohm-cm at 77 °F

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
110Ft
C.B. O'Nan

Chemist