

1403

F

30-039-22270

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. 35 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #101A

cps 163lw

Elevation 6913' Completion Date 8/27/81 Total Depth 340' 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. 130' & 300' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 320', 255', 245', 225', 215', 205', 195', 185', 175', 165'

Depths vent pipes placed: 340'

Vent pipe perforations: 220'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 2

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 Hrs Reg
4 Hrs OT
8-27-81

Drilling Log (Attach Hereto). ☐

Completion Date 8-27-81

Well Name SI 30-6 #101A		Location SE 35-30-7		CPS No. 1631W	
Type & Size Bit Used STATIC = .88				Work Order No. 57878-21-50-20	
Anode Hole Depth 340'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 320	# 2 255	# 3 245	# 4 225	# 5 215
Anode Depth	# 6 205	# 7 195	# 8 185	# 9 175	# 10 165
Anode Output (Amps)	# 1 258	# 2 444	# 3 294	# 4 372	# 5 581
Anode Output (Amps)	# 6 533	# 7 314	# 8 390	# 9 391	# 10 296
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.7		Amps 19.0		Ohms .61
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: **WATER SAND AT 130' (SAMPLE) MORE WATER AT 300'**
120' 1" PLAIN VENT PIPE BALANCE PERFORATE

40V/16A Rect. ✓

DITCH + 1 CABLE = 195' ✓

XTRA CABLE = ~~85~~ 154' ✓

HOLE = -160' ✓

Stub Pole - ✓

Hrs. REG. = 8 Hrs.

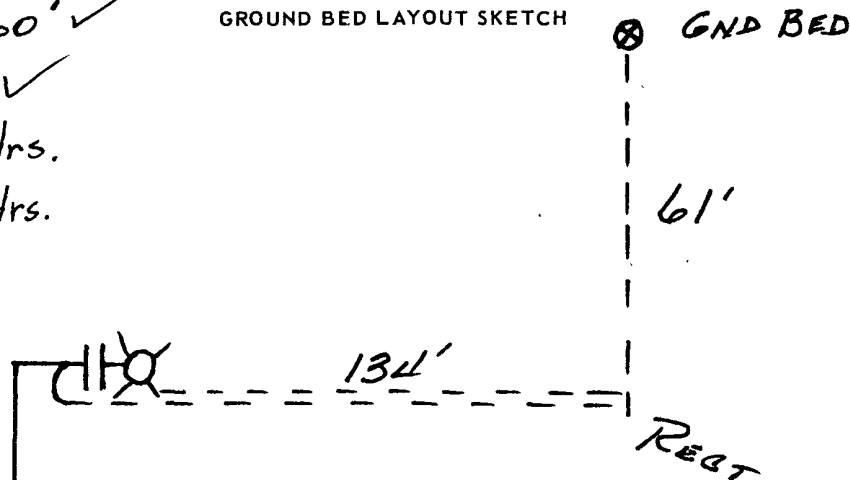
Hrs. O.T. = 4 Hrs.

All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

6913

DAILY DRILLING REPORT

LEASE S.T. 30-6 #101A WELL NO. CPS 16314 CONTRACTOR Story Drilling RIG NO. 2 REPORT NO. 8-27 DATE 1981

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S. L NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			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	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	130	Sandy Shale						
130	140	Sandy Shale						
140	280	Shale						
280	340	Sandy Shale						

REMARKS -	REMARKS -	REMARKS -
Water 140		
Drilled 340 TD 340		

SIGNED: Toolpusher

Story

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet 8-27-8
Date:
By: BT
File:1631 W
SE 35-30-7 S 30-6 #101A 57878-21-50.2

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

WATER SAND AT 130' DRILLED TO 260'
SET OVER NIGHT (BLOW SAMPLE IN AM)
WATER SAND AT 300'
120' PLAIN VENT PIPE BALANCE PERFORATED
DRILLED TO 340' LOG TO 340'

45	133	-	55	140	- 2
150	126		60	130	
55	106	-	65	109	
60	111	-	70	86	
65	94	- 10	75	31	
70	110		80	19	
75	122	- 9	85	15	
80	124		90	16	
85	120	- 8	95	83	
90	102		300	90	
95	105	- 7	5	78	
200	130		10	75	
5	160	- 6	15	107	
10	167		20	122	- 1
15	165	- 5	25	140	
20	150		30	124	
25	118	- 4	35	106	
30	105		40		340' TD
35	94		45		
40	80		50		
45	96	- 3			
50	120				

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 = 320	122	154	258
2 = 255	130	188	444
3 = 245	120	124	294
4 = 225	105	163	377
5 = 215	150	261	581
6 = 205	167	245	533
7 = 195	130	136	314
8 = 185	102	192	390
9 = 175	124	186	391
10 = 165	110	144	296

VOLTS = 11.7

AMPS = 19.0

OHMS = .61

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

Analysis No. 1-10315 Date 9-15-81

Operator El Paso Natural Gas Well Name San Juan 30-6 #101A CPS 1631~~5~~W

Location SE 35-30-7 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From 130'

Date Sampled 8-27-81 By B.T.

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

Sodium	ppm	epm	Chloride	ppm	epm
	1,377	59.9		20	0.6

Calcium	213	10.7	Bicarbonate	122	2.0
---------	-----	------	-------------	-----	-----

Magnesium	21	1.7	Sulfate	3,350	69.7
-----------	----	-----	---------	-------	------

Iron	.	.	Carbonate	0	0
------	---	---	-----------	---	---

H ₂ S	.	.	Hydroxide	0	0
------------------	---	---	-----------	---	---

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

HCO₃ taken to pH 4.0

Total Solids Dissolved 4,786

pH 7.8

Sp. Gr. 1.0001 At 60°F

Resistivity 161 ohm-cm at 71°F

Dennis P. Bird RZE
Chemist

