

ST #10A 30-045-22753
SRA #6 30-045-21046

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. 10 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SAN JUAN #10A, SUNRAY A #6
cps 1362w

Elevation 6466' Completion Date 4/2/79 Total Depth 480' 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. DAMP AT 160'. WET AT 180'

Depths gas encountered: N/A

Type & amount of coke breeze used: 50 SACKS

Depths anodes placed: 435', 425', 415', 405', 355', 340', 295', 285', 260', 245'

Depths vent pipes placed: 435' OF 1" PVC VENT PIPE

Vent pipe perforations: 255'

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 4-2-79

Well Name <u>SAN JUAN #10A</u> <u>SUN Ray A #6</u>		Location <u>NW 10-30-10</u>		CPS No. <u>1362 W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57259-21</u> <u>55254-21</u>	
Anode Hole Depth <u>480'</u> <u>logged 470'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>50 sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>435</u>	# 2 <u>425</u>	# 3 <u>415</u>	# 4 <u>405</u>	# 5 <u>355</u>	# 6 <u>340</u>
# 7 <u>295</u>	# 8 <u>285</u>	# 9 <u>260</u>	# 10 <u>245</u>		
Anode Output (Amps)					
# 1 <u>3.5</u>	# 2 <u>3.7</u>	# 3 <u>3.4</u>	# 4 <u>3.9</u>	# 5 <u>4.5</u>	# 6 <u>3.5</u>
# 7 <u>3.3</u>	# 8 <u>3.4</u>	# 9 <u>3.5</u>	# 10 <u>4.7</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	
Volts <u>12</u>	Amps <u>18.4</u>	Ohms <u>.65</u>			No. 2 C.P. Cable Used

Remarks: DRILLER Said damp at 160' waited 15 min. NO WATER, WET AT 180'
waited 20 min made approx 5 gal. Ran 435' 1" VENT PIPE, PERK. 255
of VENT PIPE. SLURRIED 50 SACK COKE BREEZE. WATER STANDING
AT 160'

STATIC #10A - .77

STATIC A #6 - .76

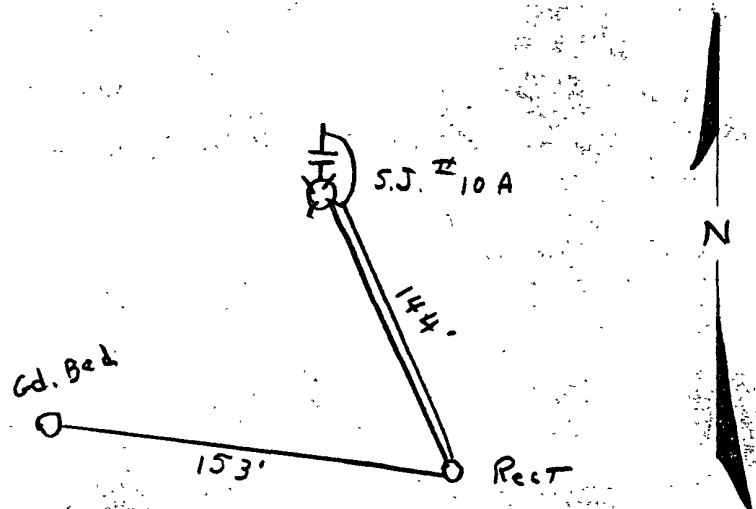
All Construction Completed

Walter L. Lupton Jr
(Signature)

GROUND BED LAYOUT SKETCH

Ditch + 1 cable 297'
EXTRA cable 144'
1 20' meter Pole
1 40V 16A RECT.

NO INSTALLED



DISTRIBUTION:

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

4466

DAILY DRILLING REPORT

LEASE 1362-W WELL SAN JUAN #10-A CONTRACTOR CORROSION CONTROL RIG NO. W-2 REPORT NO. DATE April 1 1979

MORNING					DAYLIGHT					EVENING				
Driller <u>Pinkson LC</u> Total Men In Crew <u>3</u>					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.
<u>0</u>	<u>180</u>	<u>Sandstone</u>												
<u>180</u>	<u>250</u>	<u>Shale</u>												
<u>250</u>	<u>325</u>	<u>Bentonite</u>												
<u>325</u>	<u>400</u>	<u>Sand-shale</u>												

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SE: NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____
SIZE <u>5 7/8 - 6 3/4</u>		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.			
			<u>2-100# mud</u>														

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
		<u>None</u>						

REMARKS - <u>Water 180' Appx 3gpm</u> <u>Total wait time for H₂O 35min</u>	REMARKS -	REMARKS -

SIGNED: Toolpusher

LC Pinkson

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: of
Date: 4-2-7
By:
File: SAN JUAN #10A
NW 10-30-10
W/O 57259-21
STATIC - 600'W .77SUNRAY A#6
NW 10-30-10
W/O 55254-21
STATIC - .76

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

DRILLER SAID DAMP AT 160'
WAITED 15 MIN. NO WATER
WET AT 180' WAITED 20 MIN MDO
APPROX 5901. WATER. STARTED
INJECTING 180'

CPS 1362-W

T.D. 480'

LOGGED 470'

HOLE #2

WATER STANDING AT
160' 4-2-7910 1/2" DURIRON
435' 1" VENT PIPE PERFORATE
255' OF VENT PIPE
SLURRIED 50 SACKS COKE

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

180	2.5	330	1.2
185	2.4	335	2.5
190	1.9	340	2.7 (6)
195	1.6	345	2.7
200	1.4	350	2.7
205	1.4	355	3.2 (5)
210	1.4	360	4.1
215	1.9	365	4.1
220	2.4	370	3.9
225	2.0	375	3.9
230	1.8	380	3.6
235	1.8	385	3.7
240	2.0	390	3.6
245	2.9 (10)	395	3.5
250	3.3	400	3.4
255	2.7	405	3.2 (4)
260	2.7 (9)	410	3.0
265	2.7	415	3.0 (3)
270	3.0	420	3.0
275	2.7 (8)	425	3.1 (2)
280	2.7	430	3.2
285	2.7	435	2.7 (1)
290	2.7	440	2.2
295	2.3 (7)	445	2.2
300	1.9	450	2.2
305	1.8	455	2.1
310	1.8	460	1.9
315	1.8	465	1.9
320	1.8	470	1.8 logged
325	1.7	475	

HOURS	WORKED
3-27	9 HRS
3-28	10 "
3-30	4 "
4-2	10 "

S.T. 75.60
1/2 14.1789.77
103.95
37.80
103.95

① 435	2.7	3.5
② 425	3.1	3.7
③ 415	3.0	3.4
④ 405	3.2	3.9
⑤ 355	3.2	4.5
⑥ 340	2.7	3.5
⑦ 295	2.3	3.3
⑧ 275	2.7	3.4
⑨ 260	2.7	3.5
⑩ 245	2.9	4.7

480 T.D

12V
18.4A
.65-2