

4R = 30-039-20323

4475

496 = 30-039-24870

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 35 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #4R, #496

cps 194w

Elevation 6670' Completion Date 8/11/71 Total Depth 475' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 7500 lbs.

Depths anodes placed: 420', 409', 400', 375', 365', 356', 345', 335', 325', 285'

Depths vent pipes placed: 420'

Vent pipe perforations: 214'

Remarks: qb #2

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

10/19/71

Drilling Log (Attach Hereto). ☐

Completion Date 8/11/71

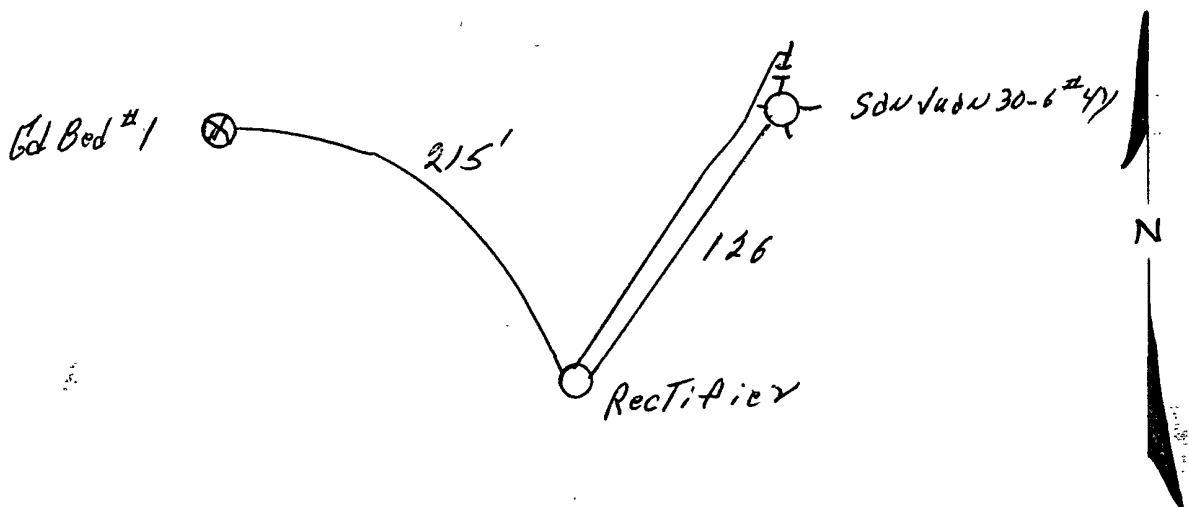
Well Name <u>SAN JUAN 30-6 #4Y</u>		Location <u>NE 35-30N-6W</u>		CPS No. <u>194W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>184-54750-19-50-</u>	
Anode Hole Depth <u>475'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>7500</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>420</u>	# 2 <u>409</u>	# 3 <u>400</u>	# 4 <u>375</u>	# 5 <u>365</u>	# 6 <u>356</u>
# 7 <u>345</u>	# 8 <u>335</u>	# 9 <u>325</u>	# 10 <u>285</u>		
Anode Output (Amps)					
# 1 <u>2.2</u>	# 2 <u>3.2</u>	# 3 <u>2.2</u>	# 4 <u>3.3</u>	# 5 <u>3.5</u>	# 6 <u>2.9</u>
# 7 <u>3.0</u>	# 8 <u>2.2</u>	# 9 <u>2.8</u>	# 10 <u>2.5</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>11.8</u>	Amps <u>12.5</u>	Ohms <u>0.94</u>		<u>502'</u>	

Remarks: Static $\frac{1}{2}$ 600' SE = 0.84 VENT Hose Perforated 214 TO #1.
Slurried complete hole. NO ATTEMPT TO PUMP
NO JUNCTION BOX, POS, AND NEG. CABLES NOT INSTALLED

All Construction Completed

Paul H. Farrell
(Signature)

GROUND BED LAYOUT SKETCH



S.J. 30-6 UNIT #4Y

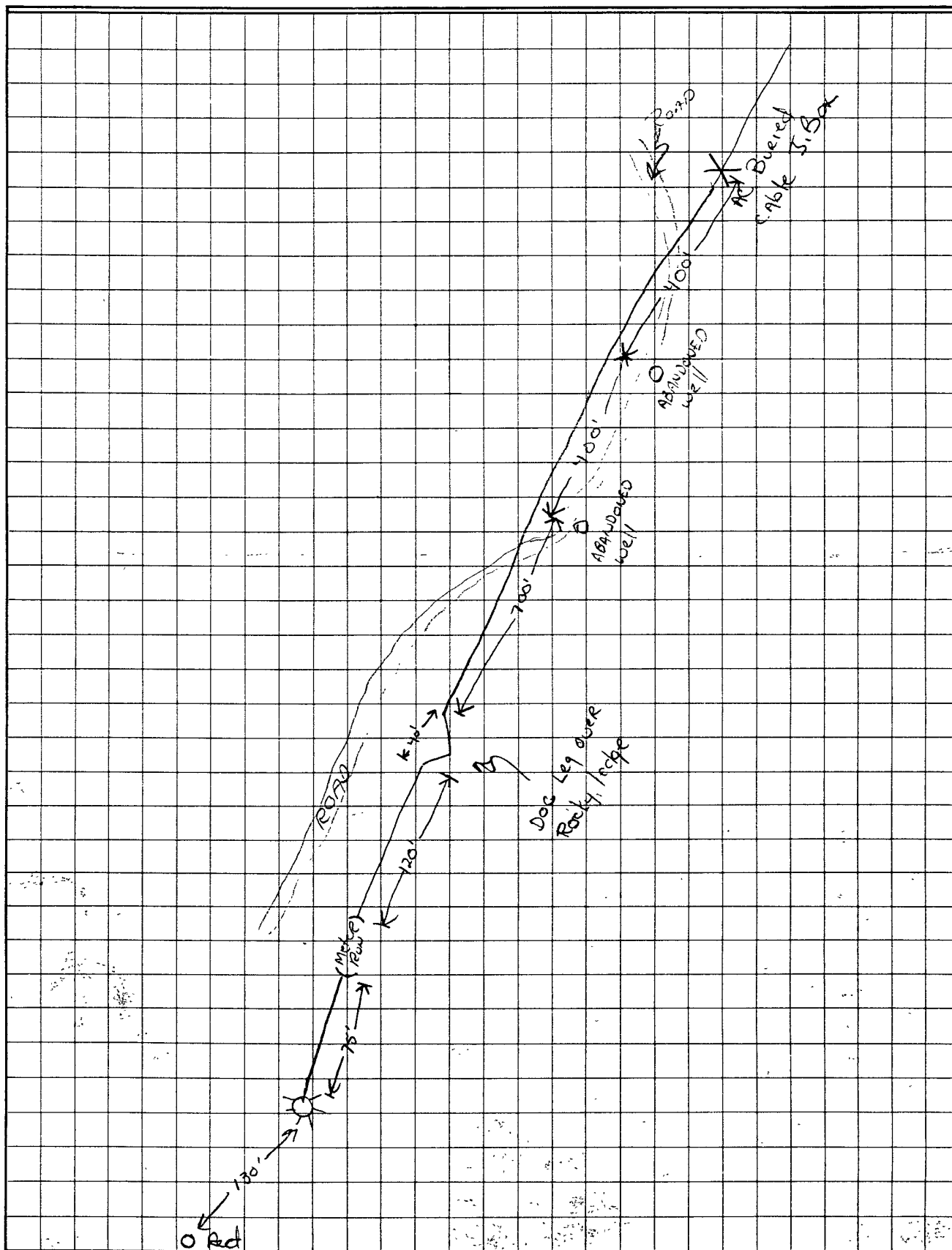
NE 35-30-6

CPS-194-W

MW	gas/mol
16	C ₁ 6.4
10	C ₂ 5.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
72	IC ₅ 13.85
86	NC ₅ 13.71
86	IC ₆ 15.50
100	IC ₇ 17.2
114	C ₈ 17.46
28	C ₉ 9.64
42	C ₁₀ 9.67

NA

MW	MISC	gas/mol
44	CO ₂	5.38
14	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.36



Stub Pole

194W - 8-11-71

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.45
100	NC ₅ 13.71
114	IC ₆ 15.50
128	NC ₆ 15.57
142	IC ₇ 17.2
156	NC ₇ 17.46
170	IC ₈ 19.38
184	NC ₈ 19.44
198	IC ₉ 21.27
212	NC ₉ 21.33

260	1.12	40	1.11		
	.94	447		Bottom - Vent Perforated	214'
70	.85	50			
	.80				
80	1.12	60			
	1.62				
90	1.32	70			
	.82		Depth	Log water	Log Lake
300	.71		1	420	1.27
	.56		2	409	1.83
10	.58		3	400	1.22
	.60		4	375	2.0
20	.86		5	365	2.2
	1.65		6	356	1.5
30	1.62		7	345	1.9
	1.44		8	335	1.40
40	1.27		9	325	1.82
	1.56		10	285	1.75
50	1.68				
	1.39				
60	1.75				
	1.86				
70	1.83				
	1.78				
80	1.17				
	.79				
90	1.11				
	1.22				
400	1.60				
	1.66				
10	1.43				
	1.20				
20	1.17				
	.98				
30	.94				
	1.25				

Bottom Anode + 20' = 449'

Ditch = 241' @ 204 Pay/ft

= 4820 = 33'

Pay TD 478 Cred FPA 22'

11.8V 125A = 94W

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE C.P.S. WELL NO. 194-W CONTRACTOR Morrow RIG NO. 1 REPORT NO. DATE 8-11 19 71

MORNING

DAYLIGHT

EVENING

Driller <u>Watson</u> Total Men In Crew <u>2</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.
0	50	sandstone			112	260	shale & soy shale							
50	55	WET SAND-			260	292	WET SAND-							
55	105	shale & soy shale			292	440	shale & soy shale							
105	112	WET SAND-			440	475	SAND-							

NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____	
BIT NO. _____		BIT NO. _____		BIT NO. _____	
SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____	
SIZE _____		SIZE _____		SIZE _____	
TYPE _____		TYPE _____		TYPE _____	
MAKE _____		MAKE _____		MAKE _____	
TOTAL DEPTH _____		TOTAL DEPTH _____		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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
	Drilled To 270' w/ Air - Hoke	
	Wet - Blew mud balls out of	
	Hoke - Drilled To 475' w/ Air +	
	WTR. In.	
	Wet @ 50-55-105-112-260-292.	
	Logged Hoke @ 475'.	

SIGNED: Toolpusher

Joe Morrow

Company Supervisor