

PIERCE #2 - 30-045-09742
PIERCE #4 - 30-045-20092

4623

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

PIERCE Com #251 (Submit 3 copies to OCD Aztec Office)
30-045-27019

Operator MERIDIAN OIL Location: Unit NE Sec. 8 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced PIERCE #2, PIERCE #4,

PIERCE COM #251 cps 46w

Elevation 6231 Completion Date 9/3/70 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. N/A

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 60 SACKS

Depths anodes placed: 310', 300', 290', 280', 260', 250', 240', 230', 220', 210'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2 ALL ANODES IN PAIRS.

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

GND BED No. 2
Contract By CPS.

Drilling Log (Attach Hereto). ☐

Completion Date 9-3-70

Well Name <u>Pierce #2</u>		Location <u>NE 8-30-9</u>		CPS No. <u>46W</u>	
Type & Size Bit Used <u>6 1/4</u>				Work Order No. <u>184-52352-50-20</u>	
Anode Hole Depth <u>340'</u>	Total Drilling Rig Time		Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
Anode Depth	# 1 <u>310</u>	# 2 <u>300</u>	# 3 <u>290</u>	# 4 <u>280</u>	# 5 <u>260</u>
Anode Output (Amps)	# 1 <u>1.6</u>	# 2 <u>1.6</u>	# 3 <u>2.7</u>	# 4 <u>2.7</u>	# 5 <u>3.0</u>
Anode Depth	# 6 <u>250</u>	# 7 <u>240</u>	# 8 <u>230</u>	# 9 <u>220</u>	# 10 <u>210</u>
Anode Output (Amps)	# 6 <u>3.0</u>	# 7 <u>2.4</u>	# 8 <u>2.4</u>	# 9 <u>4.2</u>	# 10 <u>4.2</u>
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts <u>12.0</u>		Amps <u>10.0</u>	Ohms <u>1.2</u>	
No. 8 C.P. Cable Used				No. 2 C.P. Cable Used	

Remarks: Drill with air to 100; inject to 290'

all Anodes in Pairs

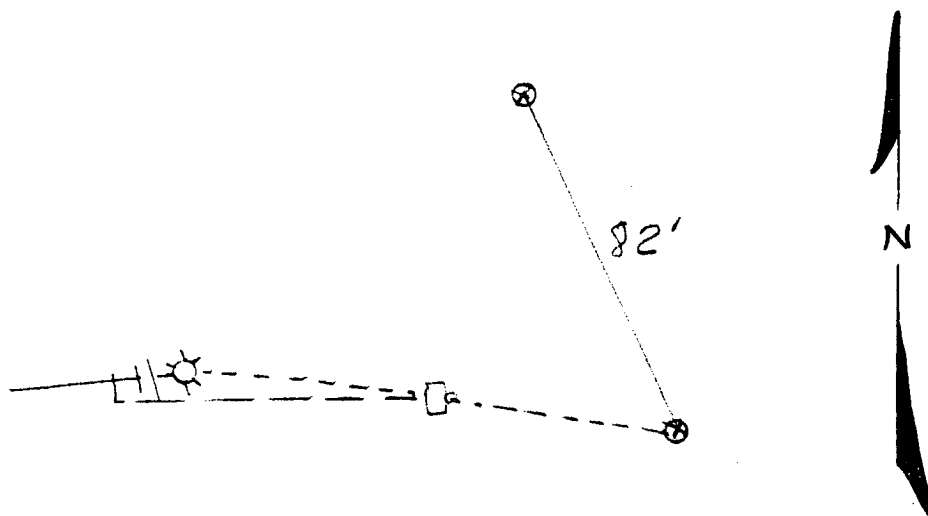
Two attempts to Pump Failed; (Hose plugged)

Slurry 60 Sacks coke

All Construction Completed

Barrels
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet _____ of _____

Date: _____

By: _____

46w - 9-3-70
 Air to 100 - inject to 290 -

MW	gas/mol
16	C ₁ 8.4
30	C ₂ 8.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.83
86	IC ₅ 13.85
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 19.64
198	IC ₉ 21.67

MW	MSC	gas/mol
44	CO ₂	5.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	1.38

75	1.7	60	2.0		
80	1.7		1.7		
	1.6	70	1.4	1 310	1.6 - 1.6
90	2.2		1.9	2 300	
	3.0	80	2.6	3 290	2.2 - 2.7
100	3.2		2.6	4 280	
	3.2	90	2.5	5 260	2.4 - 3.0
110	3.2		2.5	6 250	
	3.2	100	2.6	7 240	1.8 - 2.4
20	2.0		2.9	8 230	
	1.7	10	3.0	9 220	3.4 - 4.2
30	1.5		3.6	10 210	
	2.3	20	3.4		
40	2.7	26	3.6		
	3.0	30			
50	3.2	31 Bottom			
	3.2	40			
60	2.9				
	2.7				
70	2.0				
	1.7				
80	1.6				
	1.6				
90	1.7				
	1.9				
290	1.8				
	2.0				
10	3.0				
	2.9				
20	2.9				
	2.8				
30	2.6				
	2.8				
40	1.7				
	2.7				
50	2.6				
	2.8				
55	2.8				