

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

Operator EPFS Location: Unit C Sec. 20 Twp 2B Rng 12

Name of Well/Wells or Pipeline Served Gallinas C.U. 227E

Elevation _____ Completion Date 11-19-97 Total Depth 400 Land Type *SF079244

Casing, Sizes, Types & Depths 8" - PVC, 40'

If Casing is cemented, show amounts & types used 8 sacks ZIA Type 1 & 2

If Cement or Bentonite Plugs have been placed, show depths & amounts used _____

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

Fresh, Clear, Salty, Sulphur, Etc. 110-120

Depths gas encountered: _____

Type & amount of coke breeze used: Laresco 5w - 4600/lbs

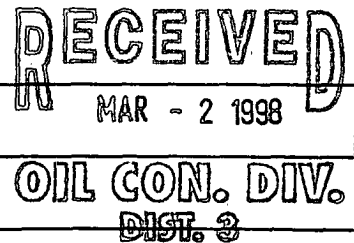
Depths anodes placed: 140-335

Depths vent pipes placed: 335

Vent pipe perforations: 200

Remarks: _____

W. H. Harris



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.

THE LOFTIS COMPANY

DEEP WELL GROUND BED DATA

DATE: November 19, 1997

COMPANY: EPFS/Amoco

COUNTY: San Juan STATE: New Mexico

CONTRACT NO: A96-24

UNIT NO: CPS 93248 WO 3462

LOCATION: G.C.U. #227E

GROUND BED: DEPTH / FT: 400'

DIA / INCH: 7 7/8"

ANODES: (15) 2 x 60 SHA-2

CASING: DEPTH / FT: 40'

SIZE: 8"

DEPTH IN FEET	DRILLERS LOG	RESISTIVITY		ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
		OHMS	AMPS				
5	Casing						
10							
15							
20							
25							
30							
35							
40			0.7				
45	Gray Sandstone		0.5				
50			0.5				
55			0.4				
60			0.4				
65			0.4				
70			0.5				
75			0.4				
80			0.4				
85			0.6				
90			0.5				
95			0.3				
100			0.4				
105			0.2				
110	(Wet)		0.5				
115			0.4				
120	Shale		0.5				
125			0.7				
130			0.9				
135			1.3				
140			1.7	15	140	1.8	6.5
145			1.8				
150			1.7	14	150	1.8	6.2
155			1.4				
160			1.5	13	160	1.5	5.6
165			1.7				
170			1.6	12	168	1.7	6.2
175			1.7	11	175	1.6	5.8
180			1.4				
185			1.3				
190			1.8				
195			1.9	10	195	1.9	6.2
200			1.3				
205			2.1	9	205	2.0	6.2
210			1.6				

JOB # TDMI350

THE LOFTIS COMPANY

DEPTH IN FEET	DRILLERS LOG	RESISTIVITY		ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
		OHMS	AMPS				
215			1.2				
220			0.9				
225	Sandstone & Shale		0.8				
230			0.9				
235			0.9				
240			1.0				
245			1.0				
250			1.0				
255			0.9				
260			0.9				
265			0.9				
270			1.8	8	270	1.8	6.0
275	Shale		1.8	7	277	1.8	6.5
280			1.9				
285			1.7	6	284	1.8	6.3
290			1.8	5	292	1.9	6.4
295			1.9				
300			2.0	4	300	1.9	5.9
305			1.4				
310			1.0				
315			1.5				
320			1.7	3	319	1.7	5.5
325			2.0	2	327	2.0	6.5
330			2.1				
335			2.0	1	335	2.0	6.3
340			2.1				
345			2.1				
350							
355							
360							
365							
370							
375							
380							
385							
390							
395							
400	Shale						