

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

(Submit 3 copies to OCD Aztec Office)

API 30-045-26789

3304

Operator EPFS Location: Unit B Sec. 27 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC A #19 # 92163

Elevation 6221 Completion Date 3-19-97 Total Depth 395' Land Type * OCEANO

Casing, Sizes, Types & Depths 8 5/8" - PVC 20'

If Casing is cemented, show amounts & types used 4 Bags - Zia Type 1 & 2

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

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MAR - 2 1998

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

OIL CON. DIV.
DIST. 3

Fresh, Clear, Salty, Sulphur, Etc. 140' - 150' - 15 G.P.M. 330' - 340' - 2 G.P.M.

Depths gas encountered:

Type & amount of coke breeze used: Loresco SW 4400 lbs

Depths anodes placed: 195' to 375'

Depths vent pipes placed: 375'

Vent pipe perforations: 240'

Remarks:

Don Jon Hitt

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.

DEEP WELL GROUND BED DATA

DATE March 19, 1997COMPANY EPFS/AmocoCOUNTY San JuanSTATE NMCONTRACT NO. FC-96-1000UNIT NO. 92163LOCATION Atlantic A#19GROUNDBED: DEPTH 400 Ft., DIA. 7 7/8 In., ANODES (15) 2 x 60 SHA-2CASING: SIZE 8 In., DEPTH 20 Ft.

DEPTH FT.	DRILLER'S LOG	RESISTIVITY		ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
		OHMS	AMPS				
5	Casing						
10	"						
15	"						
20	Sandstone						
25	"						
30	Shale						
35	"						
40	"						
45	"						
50	"						
55	"		1.0				
60	Sandstone		0.6				
65	"		0.5				
70	"		0.5				
75	"		0.7				
80	Shale		1.2				
85	"		1.5				
90	"		1.4				
95	"		1.5				
100	"		1.2				
105	"		1.7				
110	"		1.7				
115	"		1.5				
120	"		1.3				
125	"		0.6				
130	Sandstone		0.6				
135	"		1.0				
140	"		1.0				
145	Shale		0.6				
150	"		0.6				
155	"		2.0				
160	"		2.1				
165	"		1.8				
170	"		2.1				
175	"		1.1				
180	"		1.4				
185	"		1.8				
190	"		1.9				
195	"		2.4	15	195	2.3	7.4
200	"		2.5				
205	"		2.6				
210	"		2.0				
215	"		2.2	14	215	2.3	8.1
220	"		2.1				
225	"		2.2	13	225	2.3	7.6
230	"		1.9				
235	"		2.1				
240	Shale		2.3	12	240	2.3	7.4

DEPTH FT	DRILLER'S LOG	RESISTIVITY OHMS	AMPS	ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
245	Shale		2.2				
250	"		2.1	11	250	2.2	7.3
255	"		2.3				
260	"		2.2	10	260	2.2	7.8
265	"		2.5				
270	"		2.3	9	270	2.3	8.2
275	"		2.5				
280	"		2.5	8	280	2.5	9.1
285	"		2.6				
290	"		2.6	7	290	2.6	9.3
295	"		2.7				
300	"		2.2	6	300	2.2	8.1
305	"		2.3				
310	"		2.2	5	310	2.2	7.5
315	"		1.8				
320	"		1.9				
325	"		1.4				
330	Shale & Sandstone		1.6				
335	"		1.9				
340	"		2.2				
345	"		2.1	4	345	2.1	6.7
350	"		2.2				
355	"		2.2	3	355	2.2	7.2
360	"		2.2				
365	"		2.2	2	365	2.2	7.2
370	"		2.1				
375	"		2.2	1	375	2.2	6.8
380	"		2.1				
385	"		2.6				
390	"		2.7				
395	"		2.7				
400	Shale & Sandstone						
405							
410							
415							
420							
425							
430							
435							
440							
445							
450							
455							
460							
465							
470							
475							
480							
485							
490							
495							
500							
505							
510							